CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Bridge, Cleveland, O., Comrs. Cuyahoga Co., $10,000,000.

Court house, Milwaukee, Wis., Milwaukee Co., $6,000,000.

Airport, Detroit, Mich., voted $5,000,000.

Power plant, South Amboy, N. J., Jersey Central Power & Light Co., Morristown, sketches, $5,000,000.

Bridge, Portland, Ore., Comrs. Multnomah Co., retained engineers, $4,250,000.

Road improvements, St. Louis, Mo., paving during 1929, $4,000,000.

Power development, Trail, B. C., West Kootenay Power & Light Co., have applied for water rights, $4,000,000.

Hotel and resort, San Pedro, Calif., Los Angeles Hot Springs Co., $3,500,000.

Store and office, San Francisco, Calif., Texas Oil Co., Los Angeles, to exceed $3,000,000.

Bridge, Toledo, O., voted, $3,000,000.

Administration, Phila., Pa., Bd. Educ., $2,500,000.

Hospital, Cleveland, O., City, sketches, $2,425,000.

Office, Flushing, N. Y., Flushing Terminal Building Co., soon lets contract, $2,000,000.

Roads, Lubbock, Tex., Lubbock Co., election Dec. 1, $2,000,000.

Sanatorium, Cincinnati, O., Hamilton Co. voted $2,000,000.

Hotel, Milwaukee, Wis., J. R. Treuber, $2,000,000.

Apartment, St. Louis, Mo., Alco Investment Co., sketches, $2,000,000.

Sewers, Niles Center, Ill., $1,600,000.

Irrigation system, Edinburg, Tex., Hidalgo, Water Control & Impvt. Dist. 1, voted $1,500,000.

Factory, Barrington, Ill., Jewell Tea Co., Chicago, sketches, $1,000,000.

Hospital, Atlanta, Ga., election Dec. 5. $1,000,000.

Garage, Jersey City, N. J., Burstyn Heftler, Union City, revised plans, $1,000,000.

High school, Lynn, Mass., new sketches, $1,000,000.

Apartment, New York, N. Y., J. Garry, soon takes bids, $1,000,000.

Park system, Elizabeth, N. J., Union Co. Park Comn., appropriated $1,000,000.

Apartment, Toronto, Ont., Atlas Finance & Development Co., $1,000,000.

Office, Toronto, Ont., Canada Life Insurance Co., $1,000,000.

Hospital, Brooklyn, N. Y., Kingsway Hospital Constructors, Inc., $1,000,000.

Bids Desired

Highway, New York, N. Y., J. Miller, pres. Manhattan Boro, takes bids about Jan. 1, $13,500,000.

Board of trade and office, Chicago, Ill., Dec. 1, by archts., for Chicago Board of Trade, $7,500,000.

Copper refinery, El Paso, Tex., Phelps-Dodge Corp., El Paso and New York, taking bids materials, total $5,000,000.

Hospital, Jersey City, N. J., Dec. 13, by Bd. Freeholders Hudson Co., $2,000,000.

Bridge, Birmingham, Ala., Dec. 11, by Louisville & Nashville R.R. Co., W. H. Courtenay, Louisville, Ky., ch. engr. for owners, $1,500,000.

Public Bond Elections, coming and decided, are listed on Construction News page 277.

Airships hangar, Akron, O., Goodyear Zeppelin Corp., taking bids $1,000,000.

City hall, Bayonne, N. J., Bd. City Comrs., bids about Dec. 1, $1,000,000.

Bids Received

Bridge, New York and New Jersey, Port of New York Authority, New York, from American Bridge Co., New York, $5,041,770.

Subway, Brooklyn, N. Y., Bd. Transportation, New York, Sect. 5-A, Rte. 109 from Carlo Petrillo Co., $2,019,377.

Contracts Awarded

Plant, Hamilton, Ont., Steel Co. of Canada, Ltd., general contract to Hamilton Bridge Works and others, total est. $7,000,000.

Office, New York, N. Y., Bricken Constr. Co., separate contracts, to exceed $5,000,000.

Apartments, Redburn (mail Paterson), N. J., City Housing Corp., New York, separate contracts, $4,000,000.

Apartment, North Tarrytown (Ind. br. Tarrytown), N. Y., J. B. Rockefeller, New York, separate contracts $2,000,000.

High school, Coney Island (sta. Brooklyn), N. Y., archt. and supt. School Bldgs., to G. F. Driscoll Co., Brooklyn, and others, totaling $2,253,587.

Transmission lines, etc., Tennessee, Tennessee Electric Power Co., and subsidiary, Nashville, to Stevens & Wood, New York, est. $1,500,000.

College, Buffalo, N. Y., W. Haugaard, archt., Albany, to C. Everitt, for owners, $1,300,000.

Club house, Minneapolis, Minn., Calhoun Beach Holding Co., general contract to J. A. Holpuch Co., Chicago, Ill., est. $1,000,000.

Hotel, Covington, Ky., Covington Hotel Co., separate contracts under supervision of architect, $1,000,000.

Construction News of the Week

Waterworks

Proposed Work

N. J., Haledon (mail Paterson) — Bd. Boro Council, Boro Hall, mains in Southside Ave. $15,000. W. Ferguson, 152 Market St., Paterson, boro engr.

Ill., Belvidere — Waterworks improvements. $35,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Ill., Benton—Central Illinois Pub. Serv. Co., preliminary plans 1 m.g. filtration plant. Private plans.

Kan., Prairie View — Soon takes bids waterworks. $17,000 bonds voted for same. Shockley Eng. Co., 800 Graphic Arts Bldg., Kansas City, Mo., engrs. Noted Nov. 1.

Neb., Edison—Pumphouse, wells, mains, valves, hydrants. $20,000 or more. Henningson Eng. Co., 326 Union State Bank, Omaha, engrs.

Neb., Unadilla — K. C. Stoner, city clk., elevated tank, tower, pump house, wells, mains, valves, hydrants. $25,000 or more. Henningson Engr. Co., 326 Union State Bank, Omaha, engrs.

Mo., Hardin—Waterworks and sewerage system. $20,000. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Ark., Ozark — Water and distribution mains, sanitary sewers. $125,000. W. L. Winters, Merchants Bank Bldg., Ft. Smith, engr.

Okla., Oklahoma City—Preliminary plans extending mains between 12th and 23rd Sts., west of Pennsylvania St. $40,000. W. W. Small, City Hall, engr.

Okla., Wakita — Made surveys waterworks. $25,000. Milliken & Whiteneck, Southwest Natl. Bank Bldg., Oklahoma City, engrs.

Ont., Oshawa — City Council, 6 in. c.i. mains with valves, hydrants, in 3 avenues and 5 streets. $20,000. W. C. Smith, Municipal Offices, engr.

Bids Desired

R. I., Warwick—Nov. 26, by Town Clerk, Town Hall, 241,000 lin.ft. 6- to 30-in. c.i. mains, appurtenances, two hundred thirty-five 6- to 24-in. gate valves, 190 fire hydrants, for waterworks and meter register house; $400,000 bonds voted for same. Fay, Spofford & Thorndike, 44 School, St., Boston, Mass., engrs.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.) according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

N. Y., Brooklyn — Nov. 27, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Avenue Q, Ditmas, Flatbush, Foster, Miller, Nostrand, Utica and Van Sicklen Aves., Coyle, 65th, East 5th, East 34th, East 57th, East 95th, East 96th, and West 2nd Sts.

N. Y., New York — Nov. 27, by J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Polo and Sexton Pls., Grant, Odell and West 227th Sts., Arlington, Benedict, Bronxwood, De-Reimer, Furman, Haviland, Morgan, Morris Park, Needham, Swinton, Westchester, Westervelt and Wickham Aves.

Ia., Denison — Nov. 26, by City Clerk, 300,000 gal. settling basin, aerator house, 31 x 52 ft. brick, tile filter house, one 500 and one 300 g.p.m. centrifugal pumps and motors, 3 dry chemical feed machines, 10 lb. solution chlorinator, 450 ft. 8- to 12-in. sewers. Rohrbough Eng. Co., 721 Omaha Loan & Building Assn. Bldg., Omaha, Neb., engrs. Noted Oct. 25.

Ont., Toronto—Nov. 27, by S. McBride, mayor, City Hall, 750 imp. g.p.m., 3 stage centrifugal pump and electric motor for filtration plant, Tender 51; 2 in. bronze gate valves, Tender 52. $5,000. R. C. Harris, City Hall, engr.

Bids Received

N. Y., St. George — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, Nov. 13, mains in Atlantic, Barlow, Bement, Decker Aves., from G. V. Cornell, 30 Egbert Pl., $36,100.

Mich., Detroit — Bd. Water Comrs., Oct. 24, 6,487 ft. 12 ft. concrete tunnel, Sect. 5, Springwells Water Tunnel as part of supply tunnel across city to Springwells Plant, from J. A. Mercier Co., Mercier Bldg., $572,479. Noted Oct. 4.

Mich., Detroit—Bd. Water Comrs., Nov. 14, pumping plant sub-station at Water Works Park, 45 ft. deep 56 ft. diam. pump pit, 62 ft. 10 ft. concrete tunnel 33 x 42 x 50 ft. screen chamber, from M. R. Hanna, Ryan and Nevada Rds.; $146,000. Noted Oct. 25.

See proposal advertising on page 123

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TRADE **"LEADITE"** MARK

Registered U. S. Pat. Office

Even under the most rigorous conditions of service Leadite proves its efficiency

—where a line is subjected to constant vibration the joints must be tight and remain tight

IN installing the 12" bell and spigot bridge line illustrated here the element of constant vibration was a serious consideration.

Leadite was used for jointing and has given perfect satisfaction throughout the 5½ years since this Bridge Line was installed—working pressure approximately 105 lbs. per sq. in.

This water department has laid many miles of cast iron water mains with Leadite joints—sizes 6" to 30"—pressures ranging from 40 pounds to 170 pounds per square inch. They say their experience with Leadite has been extremely satisfactory. Their experience with Leadite extends over 20 years.

The ease with which Leadite can be used is another consideration with waterworks engineers in making their specifications for unusual and difficult installations, as well as for general work.

The speed of jointing with Leadite is of great importance to Contractors in helping them complete their work promptly. From experience they know how much time they can save by using Leadite.

Everywhere waterworks engineers specify and use Leadite for the satisfaction it gives, its safety, security and economy.

Twelve-inch c. i. bell and spigot water main —Bridge Line—over 500 feet long—subject to severe vibration—carrying approximately 105 lbs. pressure per square inch.

Specify and use LEADITE It saves at least 75%

Be sure it is LEADITE and accept no imitations

The pioneer self-caulking material for c. i. pipe. Tested and used for over 30 years.

THE LEADITE COMPANY . . Land Title Building . . PHILADELPHIA, PA.

NO CAULKING

Waterworks (Continued)

Contracts Awarded

Mass., Springfield—At office Winston & Co., Inc., 277 Fair St., Kingston, N. Y., clearing, grubbing Cobble Mountain Reservoir, to B. F. Jones, Inc., 136 North 9th St., Newark, N. J., $140,410. Noted Oct. 4.

Pa., Phila.—Dpt. P. Wks., Bureau of Water, A. Murdock, dir., Contr. 928, to P. & A. J. Ellis, 4th and Wyoming Sts., $1,432,990; Contr. 949, to M. & J. B. McHugh, 892 North Markoe St., $41,829; Contr. 950, to A. P. Smith Mfg. Co., 275 North Arlington St., East Orange, N. J., $29,850. Grand total $1,504,669. Noted Nov. 1.

Mich., Pontiac — For 1,479 tons 8- to 16-in. c.i. pipe, 50 tons standard special pipe fittings, to J. B. Clow & Sons, North Talman Ave. and West Lake St., Chicago, Ill., $68,639. Noted Nov. 8.

Kan., Ness City—Waterworks, distribution system, to C. L. Burt, 1005 North Washington St., Hutchinson. Est. $63,000. Noted Oct. 25.

Mo., St. Louis—Bd. P. Serv., City Hall, complete heat insulation at Howards Bend Waterworks Station on Missouri River, St. Louis Co., to Phillip Carey Co., 4485 Duncan Ave. $31,600. Noted Oct. 11.

Tex., Dallas—Bd. City Comrs., pipe for waterworks, to U. S. Cast Iron Pipe & Fdry. Co., Magnolia Bldg., $1,264,000. Noted Sept. 6 under "Contracts Awarded."

Okla., Maud—F. Fowler, city clk., 50,000 gal. reservoir, pumping equipment, pipe lines, to Standard Paving Co., 2119 East 11th St., Tulsa, $19,450. Est. $18,000. Noted Nov. 1.

Ont., Arnprior—G. H. Moles, town clk., electric centrifugal pumps, to Turbine Equipment Co., 73 King St. W., Toronto; pressure filter, to General Supply Co. of Canada, 34 Toronto St., Toronto. Est. $15,000.

Sewers

Proposed Work

Conn., Fairfield — City retained W. G. Taylor & G. W. Knight, consult. engrs., 60 Park Pl., Newark, N. J., to make survey sanitary conditions and report on the matter sewers, sewage treatment by Mar. 1, 1929.

New Jersey—Cities of Montclair, Orange and Bloomfield, retained W. G. Taylor & G. W. Knight, consult. engrs., 60 Park Pl., Newark, to investigate drainage conditions in regards to Wigwam Brook and report on same this winter. Noted May 31.

N. J., Bradley Beach—Bd. Boro Comrs., Boro Hall, constructing 2 septic tanks, one at Evergreen and Ocean Aves., other at Ocean Park and Ocean Ave. $150,000. N. Rogers, 727 Mattison St., engr. Noted Nov. 15.

N. J., North Bergen (Ind. br. West New York)—Town Comrs., Town Hall, preliminary plans 48 in. brick sewers. $205,-305. R. Glenn, twp. engr.

N. J., Princeton—Boro and Twp., sewage disposal plant, on Millstone River, near Carnegie Lake. $1,000,000. N. S. Hill, Jr., 112 East 19th St., New York, engr.

Mich., Detroit—Dpt. P. Wks., 62,435 ft. 12- to 24-in. concrete or vitr. pipe and 2-ring brick sewers in Laterals 5118, 5119, 5149, 5152 and 5153; 16,824 ft. 12- to 18-in. in Laterals 5162, 5163, 5165, and 5174. P. A. Fellows, city engr.

Mich., Pontiac—For 6,500 ft. 12- to 36-in. vitr. or concrete sewers in Robert Hendersons Pontiac Apartment Subdivision. $25,000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

O., Akron—F. E. Swineford, dir. Dpt. P. Serv., bids about Jan. 1, 7,650 ft. 18- to 20-in. vitr. clay sanitary sewers in Hawkins Ave. and right-of-way; 3,485 ft. 54 and 57 in. alternate types sewers in Little Cuyahoga River Interceptor between East North and Arlington Sts.; 6,295 ft. 39- to 87-in. in Little Cuyahoga River Interceptor between Ravine and East North Sts. A. B. Backherms, Municipal Bldg., engr.

Ill., Arlington Heights—Relief and trunk sewers, disposal plant. $1,100,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Ill., Harvey—Relief sewers. $1,200,000. P. Robinson, Harvey, engr. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs. Noted Jan. 19.

Ill., Niles Center—Emmerson Street Sewerage System. $1,600,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Mo., Eldon—Sewers, disposal plant. J. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs.

Mo., Hardin—See "Waterworks."

Ark., Osceola — Soon takes bids sewers and disposal plant, Sewer Impvt. Dist. 5. $92,000. T. H. Allen, 65 McCall St., Memphis, Tenn, engr.

Ark., Ozark—See "Waterworks."

Okla., Oklahoma City — Sanitary sewers in Delmar Garden addition. To exceed $25,000. W. W. Small, City Hall, engr.

Okla., Thomas—Sewers, sewage disposal plant. $45,000 bonds voted for same. Milliken & Whiteneck, Southwest Natl. Bank Bldg., Oklahoma City, engrs. Noted Oct. 4.

Okla., Yukon — Sewage disposal plant. To exceed $25,000. C. A. Wood, Stillwater, engr.

Ont., Hamilton—Council temporary outfall sewer, 2 each grit chambers, screens, grease traps. $193,000. W. L. McFaul, City Hall, engr.

Okla., Hominy—Sanitary sewerage system in Mullins addition. To exceed $25,000.

Ont., Orillia — For 2 mi. 8 in. and up sewers, sewerage pumping station, c.i. sewage force main and sub pumping station. $85,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs. Noted Oct. 25.

Ont., Oshawa—New concrete, rein.-con. activated sludge sewage disposal plant, sewers, pumps, aerators, compressors, electric motors and piping. $534,600. W. C. Smith, Municipal Offices, town engr. Gore, Nasmith, Storrie, Confederation Life Bldg., Toronto, consult. engrs.

Ont., Toronto—Scarborough Twp. 4-5 mi. 8 in. and up vitr. tile sewers in Kennedy Heights, Sandown Park and Scarboro Bluffs, Sewer Area 2. $250,000. James, Proctor & Redfern, 36 Toronto St., engrs.

Ont., Toronto — For 8 in. and up vitr. tile sewers in Edith Dr., Chaplin Crescent, 3 streets, 7 avenues and 4 roads. $125,-000. R. C. Harris, City Hall, engr.

Ont., Woodstock—City Council extending storm sewers. $50,000. F. J. Ure, City Hall, engr.

Bids Desired

R. I., East Greenwich—Nov. 30, by Sewer Comrs., sewerage system, disposal plant. Waterman Eng. Co., 86 Weybosset St., Providence, engrs.

N. Y., Long Island City—Nov. 26, by B. M. Patten, pres. Queens Boro, Queens Subway Bldg., sewers in Laurel Hill, 44th (Alexis St.), Forest, 103rd, 104th and 109th Aves., 61st (8th), 99th, (42nd), 170th (30th), 91st, 125th, 203rd and 205th Sts.

N. Y., Northport — Dec. 8, at office A. Gardiner, village clk. 24,000 lin.ft. vitr. and c.i. sewers, small sewage works. M. Vrooman, Gloversville, engr.; adv. E. N.-R. Nov. 22.

N. J., East Orange—Nov. 26, by Bd. City Council, 18 in. double strength vitr. sewers in Grand and Tremont Aves. $25,000. E. Willigerod, city engr.

Mich., Detroit—Dec. 1, by G. A. Dingman, drain comr. Wayne Co., Lawyers Bldg., Dix Harger Trunk Drain, 620 ft. 12 in. vitr. clay, 7,412 ft. 27- to 66-in. rein.-con. pipe in Lincoln and Allen Parks. $150,000. Pate, Bacon & Hammen, Transportation Bldg., engrs.

Mich., Grosse Ile — Nov. 26, by G. A. Dingman, Wayne Co. drain comr., Lawyers Bldg., Detroit, 9,546 ft. 12- to 48-in. concrete and rein.-con. sewers in Bellevue Ave. and 6 streets, Grosse Ile Drain 4, Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs. Noted June 21.

Ill., Chicago—Dec. 13, by M. J. O'Brien, clk. Sanitary District of Chicago, 910 South Michigan Ave., Racine Avenue Sewage Pumping Station, Div. A. T. J. Crowe, pres.

Ia., Iowa City—Nov. 23, by G. J. Dohrer, city clk., 13,425 ft. 8 and 12 in sanitary sewers. $29,000. A. Wallen, city engr.

Calif., Los Angeles — Dec. 3, by Bd. Supervs., Los Angeles Co., 27,725 ft. 8 and 10 in. cement sewer, 20,040 ft. 6 in. cement house sewers in Walnut Lawn, C. I. 686. $73,383. W. F. Foster, Klinker Bldg., engr.

Ont., Toronto—See "Contracts Awarded."

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 14, removing sludge from sewers in 60th St. from P. Tomasetti Contg. Corp., 1074 60th St., $44,-625; constructing sewer in 83rd St., from F. Vaccario, 1024 66th St., $4,139. Noted Nov. 8.

O., Akron—F. E. Swineford, dir. P. Service, Nov. 7, 7,605 ft. 12- to 78-in. rein.-con., vitr. clay main trunk sewer for storm and sanitary sewerage in Weston Rd., from B. F. Perry, 788 Noble Ave., $239,080. Est. $302,453. Noted Nov. 1.

Mich., Detroit — J. W. Reed, comr. P. Wks., Nov. 14, East Jefferson and Connors Creek Sewage Pumping Station, rein.-con., brick, steel, from R. D. Baker, 1631 Elmhurst Ave., $707,000. Est. $1,250,000. Noted Sept. 27.

Tex., Houston — City, Nov. 1, extending storm and sanitary sewerage system in North Main St. and Houston Ave., from C. K. Horton, 2200 Clay St., Houston, $50,-213. Est. $55,000.

Calif., Los Angeles—Bd. P. Wks., Arroyo de la Sacatela Storm Drain System 2, from J. F. Shea, 525 Market St., San Francisco. $925,839.

Contracts Awarded

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, sewers in East 53rd St. and Utica Ave., to Manmill Constr. Co., 1780 Pitkin Ave., $3,042 and $926 respectively; Bay 7th and Bay 8th Sts., to J. Peconi Contg. Co., 152 East 4th St., $15,-124. Grand total $19,091.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sewer in West St. and new outlet under Pier New 3, North River, to Murphy & Richmond, 50 Court St., Brooklyn, $35,267. Noted Oct. 27.

N. Y., Rochester—Bureau Construction, E. C. Widman, ch. clk., City Hall, sewer in Carlin Rd., to A. Petrossi, 605 Duffy-Powers Bldg., $30,188.

Md., Baltimore—Bd. Awards, sanitary sewers, storms drains in Dists. 47 and 49, in Storm Water Contr. 121, to Catalano & Pecora, Old Town Natl. Bank Bldg., $114,-061. Noted Nov. 15.

Ind., Gary—Storm sewers in Bway., to Cities Constr. Co., Hammond, $174,108.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., to General Contractors, 4728 Lisbon Ave., sewer in Auer Ave. $6,531, Burrell St. $1,505, 37th Ave. $1,775, Dixon St. $1,620; to Zimmermann & Zimmermann, 2826 State St., 18th St. $8,199, Locust St. $11,899; to Hohensee, 1282 10th Ave., 75th St. $14,305, 32nd St. $1,220; to Werner Co., 728 8th Ave., Wauwatosa, 73rd St. $15,068. Grand total $62,435.

Okla., Lawton—Outfall sewer, disposal plant, to Earl W. Baker & Co., Perrine Bldg., Oklahoma City, $108,060. Est. $115,-000. Noted Sept. 6.

Calif., San Rafael — E. W. Smith, city clk., pumping plant, outfall sewer, to W. J. Tobin, 527 Santa Ray Ave., Oakland, $84,-566. Noted Nov. 8.

Ore., Klamath Falls—Sewers in Mills Addition, to J. F. Shea Co., Henry Bldg., Portland, $113,514.

Ont., Port Colborne—Two concrete, rein.-con. sewage disposal plants in connection with new sewerage system, to R. H. McGregor, 261 Donlands Ave., Toronto, $65,-000. Noted Nov. 1.

Ont., Oshawa — W. C. Smith, engr., Municipal Offices, St. Julien St. Sewer, 3,800 ft. 24 in. concrete pipe, to Hillcrest Constr. Co., 1423 Sufferin St., Toronto. Est. $30,000.

Ont., Toronto — For 8 and 12 in. vitr. tile sewers in Carlaw Ave., to W. R. Worthington Constr. Co., Roselawn Ave., $9,510; Glengrove Ave., to Mitchell Contg. Co., 28 Moore Ave., $15,380; Toronto St., to Ruscica Bros., 84 Woodycrest Ave., $3,184; Oriole Parkway, to owners by day labor, $2,314. Grand total $30,388.

Ont., Toronto—For 8 in. and up vitr. tile, concrete sewers in Villiers St. and Servington Crescent Sect. A-B, to Ronco Bros., 224 Rosemount Ave., $10,833; sewer in Hillsdale Ave., Sect. A-B, to P. Mohan, 232 Withrow Ave., $16,795; in 4 avenues, Sects. C-D, to A. Damico, 1443 Dufferin St., $29,-595; Imperial St., Sects. A-B and C-D, and St. Hildas Ave., to L. Mallio, 666 Dundas St. E., $3,235; Davisville Ave., Sect. B-C and Rochampton Ave., Sect. D-E, to Diles & Co., 239 Bellwoods Ave., $13,917; Davisville Ave. Sect. C-D, to A. Cavotte, 941 College St., $12,300; Eglinton Ave., Sect. C-D, day labor, $8,425. Grand total $95,105.

Ont., Toronto—Vitr. tile sewers in Sherwood Ave. and Lascelles Blvd., to John Maguire Contg. Co., 172 Eglinton Ave., $16,368; lane near Palmerston Ave., to Ronco Bros., 224 Rosemount Ave., $1,137; Saulter St., to Thomas Agnew & Sons, 350 Concord Ave., $9,617; lane near Dundas St., to P. Carradi, 19 Hocken Ave., $5,024. Grand total $32,146.

Waste Disposal

Bids Desired

Pa., Greenville—Dec. 11, by J. M. Hittle, borough secy., Hutcheson Bldg., garbage incinerator, 30 ton capacity, chimney. J. N. Chester Engineers, 813 Clark Bldg., Pittsburgh, engrs.; adv. E. N.-R. Nov. 22.

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You Can Build PERMANENT SEWERS at Lower Cost by using INDEPENDENT

Reinforced Concrete Pipe

THIS is the one material which satisfies the needs of *both* parties interested in a sewer project —the city's demand for a permanent sewer at the lowest possible figure; and the contractor's desire for a profitable job.

The city is assured permanence and economy in its new sewer, by the long-proved durability of concrete, plus these "INDEPENDENT" features . . . lower first cost . . . "factory" methods of manufacturing pipe in the field . . . utmost quality and strength . . . accurate reinforcing . . . constant inspection . . . careful curing . . . and the exclusive "Recessed Joints", which are stronger, tighter and more easily sealed in *any* trench.

The sewer contractor is assured a profit on the job by the low cost of the pipe . . . prompt delivery . . . the speed and economy in laying the pipe, due to the easy-to-seal "Recessed Joints" . . . and the full co-operation of our men at every stage.

Let us prove to you the opportunities for profit in laying INDEPENDENT Concrete Pipe Sewers. Ask for our quotation on your next sewer project.

"INDEPENDENT" is recognized as America's largest exclusive builder of reinforced concrete sewer pipe, in sizes from 24" to 108".

Sales Agencies

CHICAGO, ILL.
Illinois Concrete Sales Co.
139 N. Clark St., Room 703
FRANK NOVOTNY, Mgr.

CLEVELAND, OHIO
H. S. WAMSER
Electric Building
Cleveland, Ohio

COLUMBUS, OHIO
Ohio Sales Agency
297 S. High St., Room 203
E. W. HAWKE, Mgr.

OKLAHOMA CITY
Concrete Pipe Co., of Okla.
203 Grain Exchange Bldg.
E. A. BARNES, Mgr.

MICHIGAN REP.
M. R. DICKIE
717 Arbor Street
Ann Arbor, Mich.

INDEPENDENT CONCRETE PIPE COMPANY
202 N. West St. Indianapolis, Ind.

Bridges

Proposed Work

Ky., Louisville—City, c/o Bd. P. Wks., City Hall, viaduct, on 3rd St. and Eastern Parkway. To exceed $300,000. A. A. Kreige, city engr.

O., Cleveland — Comrs. Cuyahoga Co., concrete bridge, from Lorain to Central Aves. $10,000,000. Modjeski, Masters & Chase, 1430 Walnut St., Phila., Pa., and 121 East 38th St., New York, consult. engrs.

O., Toledo—New bridge over Maumee River. $3,000,000 bonds voted for same. L. T. Owen, City Hall, engr.

Wis., Watertown—Cole Memorial Bridge. $70,000. Consoer, Older & Quinlan, Inc., Madison, consult. engrs.

Kan., Atchison—See "Streets and Roads."

Kan., Jetmore—See "Streets and Roads."

Missouri—State Hy. Comn., Jefferson City, steel truss bridge over McKenzie Creek, Wayne Co.; bridges over Platte River, Platte River Overflow and Mogro Creek, all Andrew Co. T. H. Cutler, ch. engr.

Mo., St. Louis—Bd. P. Serv., City Hall, preliminary plans 1,500 ft. rein.-con. viaduct, 60 ft., over River Des Peres, on Manchester Ave. $475,000. L. R. Bowen, 301 City Hall, engr.

Okla., Sand Springs — State Hy. Dpt., Oklahoma City, bridge over Arkansas River, Tulsa Co., here. $250,000. Wood & Witten, Lynch Bldg., and V. H. Cochran, Wright Bldg., both Tulsa, engrs.

Arizona—State Hy. Comn., Phoenix, rejected bids Oct. 29, Black River Bridge, Rice-McNary Hy. W. C. Lefebvre, hy. engr. Noted Oct. 18.

Wash., Seattle—King Co., 135 ft. steel bascule lift bridge, 125 ft. clearance over Dwamish Waterway at South Park, incl. structure $175,000, steel substructure $280,-000, erecting steel $100,000, electrical equipment $25,000, permanent approaches, condemnation $150,000. $780,000 bonds voted for same. D. Evans, Seattle, engr. Noted Sept. 27.

Ore., Portland — Comrs. Multnomah Co. retained Robinson & Steinman, consult. engrs., 117 Liberty St., New York, to design and construct St. Johns Bridge over Willamette River. $4,250,000. Noted June 14.

Bids Desired

New Jersey — Dec. 10, by State Hy. Comn., Trenton, bridge over Overpeck Creek, Routes 5 and 6, Ridgfield Park, Bergen Co.; bridge over Lehigh Valley R.R., Route 25, Sect. 5, Metuchen, Middlesex Co. A. L. Grover, ch. clk.; adv. E. N.-R. Nov. 22.

Fla., Jacksonville—Union Terminal Co., opens bids about Dec. 1, approaches, sidewalk and roadway Beaver St. viaduct over Terminal tracks, for City, State and Union Terminal Co. $600,000. Noted Nov. 15.

Ala., Birmingham—Dec. 11, by Louisville & Nashville R.R. Co., W. H. Courtenay, ch. engr., Louisville, Ky., 600 ft. rein.-con. viaduct, on 22nd St., $1,500,000, for City, Louisville & Nashville and Southern Rys. Noted July 19.

La., Girard—Dec. 18, State Hy. Comn., Baton Rouge, 778 ft. bridge over Boeuf River, on Federal Aid Project 182-A, on Rayville-Monroe Hy., Richland Parish. J. M. Fourmy, Baton Rouge, state engr.

Kentucky—Dec. 19, by State Hy. Dpt., Frankfort, two 110 ft. span steel superstructure with rein.-con. floor over Sugar Creek, on Warsaw-Florence Rd., F. A. 168 B-B, Gallatin Co.—two 110 ft. span steel superstructure with rein.-con. floor over Gasper River, F. A. 182 B-B, Warren Co. J. S. Watkins, hy. engr.

Ohio—Nov. 30, by H. J. Kirk, dir. Hys., Columbus, 174 ft. span steel bridge, and five 40 ft. span concrete beam bridge, Sects. C-1 and C-2, State Rd. 7, Belmont Co. $32,572—4 concrete bridges Sect. O, State Rd. 156, Muskingum Co., $32,572—spandrel filled concrete arch bridge over Maumee River, on U. S. Rd. 24, Henry Co., $400,403.

Mich., Coldwater—Dec. 4, by Wolverine Portland Cement Co., two 17 ft., one 49 ft. span steel deck girder bridge on 4 rein.-con. piers, 18 ft. high over Long Lake Outlet, 22 ft. $25,000. Private plans.

Wisconsin—Nov. 27, by State and Sauk Co. Hy. Comns., Madison, Dalton Bridge, on U. S. Hys. 12 and 13, Federal Aid Project, 418-B, Sauk Co. J. C. Jones, acting div. engr.

Iowa — Nov. 27, by State Hy. Comn., Ames, three 90 x 20 ft. skew pony trusses, one 110 x 20 ft. deck truss with two 50 x 20 ft. deck girder approaches, U. S. Rd. 32, B-571, Cass Co.—60 x 24 ft. plate girder with two 40 x 24 ft. I-beam approaches, Primary Rd. 113, F. A. B. 249, Delaware Co.—150 x 20 ft. high truss bridge with 40 ft. I-beam approaches, also 40 culverts, Primary Rd. 2, B-529, Warren Co.—two 32 x 24 ft. I-beam bridges, Primary Rd. 11, B-177, Winneshiek Co.—29 culverts Primary Rd. 13, B-158, Allamakee Co.—22 culverts, extensions, U. S. Rd. 55, B-586, Clayton Co.—6 culverts Primary Rd. 4, B-562, Fremont Co.—8 culverts Primary Rd. 117, B-532, Jackson Co.—2 culverts Primary Rd. 3, B-185, Van Buren Co. R. F. White, hy. comr.

Que., Quebec—Nov. 26, by City Council, two 176 ft. span steel bridges over St. Charles River. $65,000. Eng. Dpt. P. Wks., Quebec, engrs. Noted Nov. 8.

Bids Received

New Hampshire — See "Streets and Roads."

New York and New Jersey—Port of New York Authority, 75 West St., New York, Nov. 19, steel work for Kill von Kull Bridge between Bayonne, N. J., and Port Richmond, N. Y., from American Bridge Co., 30 Church St., New York, $5,041,770. Noted Nov. 8.

N. J., Hawthorne — Bd. Freeholders Passaic Co., Court House, rein.-con., steel bridge on Warburton Ave., from F. W. Schwiers, Jr. Co., 90 West St., New York, $25,200. Noted Nov. 8.

Kentucky and Indiana—See "Streets and Roads."

Contracts Awarded

New York — A. W. Brandt, comr. Hys., Albany, two 71 ft. plate girder bridges on Matteawan-Wicope Rd., Hy. 567, Dutchess Co., to A. W. Gill, Leonia, N. J., $73,464. Noted Nov. 8.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, replacing bridge over Palmers Run, on Houghwout and Barrett Aves., to A. Galante, 528 Cary Ave., $16,147. Noted Oct. 25.

N. J., Belvidere — Warren Co., Court House, rein.-con. bridge over Bulgins Brook, to S. S. Thompson & Co., 170 Monmouth St., Red Bank, $55,166.

N. J., Perth Amboy—State Hy. Comn., Trenton, reconstructing roadway deck and part sidewalk deck of Convery Pl. Bridge over Lehigh Valley R.R., on Route 4 (1927), Middlesex Co., to Liddle & Pfeiffer, 149 New Brunswick Ave., $21,841. Noted Oct. 25.

D. C., Wash. — District Comrs., District Bldg., steel roadway for bridge across Rock Creek, to Farris Eng. Co., Empire Bldg., Pittsburgh, Pa., $167,314. Noted June 14.

Tennessee—State Dpt. Hys. & Pub. Wks., Nashville, bridges in Stewart Co., to Gould Constr. Co., Independent Life Bldg., 10th Ave. N., Nashville, $408,664—Hancock Co., to Bateman Constr. Co., Chattanooga, $74,-382—Hancock Co., to Vincennes Indiana Bridge Co., Vincennes, Ind., $12,920—Clay Co., to Nashville Bridge Co., foot of Shelby Ave., Nashville, $12,920—Henry Co., to Forcrum-James Co., Dyersburg, $26,633—Davidson Co., to E. A. Woods & Co., Andrews, N. C., $133,893—Lawrence Co., to Alley Constr. Co., Bristol, $11,064—Madison Co., to F. V. Ragsdale, Dermon Bldg., Memphis, $39,938—Putnam Co. to W. T. Moore, Andrews, N. C., $27,612—Gibson Co., to M. K. Orr, Little Rock, Ark., $36,250—Weakley Co. to Pittsburgh-Des Moines Steel Co., Des Moines, Ia., $43,491—Gibson Co., to S. R. Hays & Co., Newbern, $26,100—Henry Co., to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., $94,349—Hamilton Co., to M. P. Smith Constr. Co., Knoxville, $101,774—Davidson Co., to G. A. Thompson & Co., Nashville, $58,312. Grand total $1,108,302. Noted Oce. 4 under "Streets and Roads."

Michigan — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Kan., Eureka—Greenwood Co., one 90 ft. arch and two 35 ft. deck girder spans on Project 672, to Yancey Constr. Co., Abilene, $18,807. Noted Oct. 25.

Kan., Iola—Allen Co., three 80 x 20 ft. span arch bridge, to A. L. Cook, Ottawa, $34,472. Noted Nov. 1.

Kan., Westmoreland—Pottawatomie Co., 1 bridge on Project 40-29, Federal Aid Project 355-E and F, to Western Bridge Co., Harrisonville, Mo., $24,540—3 bridges, to McFarland Constr. Co., McFarland, $18,-629 — 4 bridges, to Hall-Hardman Co., Alton, $12,745—viaduct, to Weldon Constr. Co., Iowa Falls, Ia., $30,124. Grand total $86,038. Noted Oct. 14 under "Streets and Roads."

Kan., Winfield — Cowley Co., 8 bridge projects, incl. 919 cu.yd. concrete, 125,-000 lb. reinforcing, 1,260 lin.ft. creosoted piling, to R. F. Kinder Constr. Co., 622 Dwight Bldg., Kansas City, Mo., $27,448.

California—State Hy. Comn., Sacramento, rein.-con., steel overhead crossing over Atchison, Topeka & Santa Fe R.R., Orange Co., to J. Simpson Co., 701 Antonio St., Los Angeles, $58,109; repairing bridge over Sacramento River east of Redding, Shasta Co., to M. B. McGowan, 74 New Montgomery St., San Francisco, $31,564. Noted Nov. 15.

Calif., Nicolaus—Sutter Co. (Yuba City) new pier, protection work at Nicolaus Bridge over Feather River, to Holdener Constr. Co., 2608 R St., Sacramento, $44,-980. Noted Aug. 23.

Dams

Proposed Work

N. J., Red Bank — Bd. Town Council, Town Hall, rein.-con. dam in Shrewsbury River, above Coopers Bridge. $25,000. Engineer not selected.

W. Va., Charleston — New Kanawha Power Co., Glenn Ferris, subsidiary of Union Carbine & Carbon Co., 30 East 42nd St., New York, authorized by Public Service Comn., 2 dams on New River at Hawks Nest. Initial expenditures about $7,000,000. Noted Oct. 4.

Wis., Bristol — L. A. Harris Co., 1st Natl. Bank Bldg., Chicago, Ill., earth dam, concrete core wall and spillway. $25,000. Consoer, Older & Quinlan, Inc., Engineering Bldg., 205 West Wacker Dr., Chicago, Ill., consult. engrs.

Bids Desired

Ill., Morris—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Bids Received

Calif., Los Angeles—Supervs. Los Angeles Co., Nov. 14, San Gabriel Flood Control Dam, 425 ft. high, 2,200 ft. on crest, 412 ft. at base, incl. 1,200,000 cu.yd. excav., 2,800,000 cu.yd. concrete, 2,400 tons metal work, Proposal 1 from Ross Constr. Co., MacDonald & Kahn, and C. Fisher, 756 South Bway., Los Angeles, combined bid $11,250,040; from L. Atkinson, 609 South Grand St., Proposal 2 district supplies half the aggregate $11,727,390, Proposal 3 district supplies all the aggregate $11,157,390. Noted Sept. 20.

Contracts Awarded

Tex., Austin—City, c/o A. R. Johnson, mgr., constructing dam, changing channel, sloping banks Bartons Creek from Bartons Springs Rd. to bathing pool, to J. F. Johnson, 3rd St. and Red River, $22,536; constructing wading pool, sidewalks, retaining walls above bathing pool, to C. A. Manfries, 819 West 12th St., $3,591. Noted Nov. 1.

Railways

Proposed Work

Texas—City of Houston and Port Commission, Court House, Houston, realignment public belt railway tracks in Harrisburg. $100,000. J. C. McVea, Houston, engr.

Bids Desired

D. C., Wash. — Nov. 27, by District Comrs., District Bldg., relocating street railway tracks on Wisconsin Ave. from River Rd. to District line.

Bids Received

Texas — Port Commission, Court House, Houston, constructing 4.3 mi. railroad, and extension to site of proposed Roxana Refinery, in Houston, from B. P. Panas, Binz Bldg., Houston, $89,068. Est. $140,000.

Contracts Awarded

Manitoba—Canadian Natl. Ry., 230 St. James St., Montreal, Que., C. S. Gzowski, ch. engr. (constr.), constructing 42 mi. railway in northwesterly direction from Flin Flon line at Mileage 51, to Dominion Constr. Co., Winnipeg.

Airports

Proposed Work

AIRPORT — Detroit, Mich. — City, airport, incl. hangars, shops, paved runways. $5,000,000 bonds voted for same. P. A. Fellows, City Hall, engr. Noted Oct. 18.

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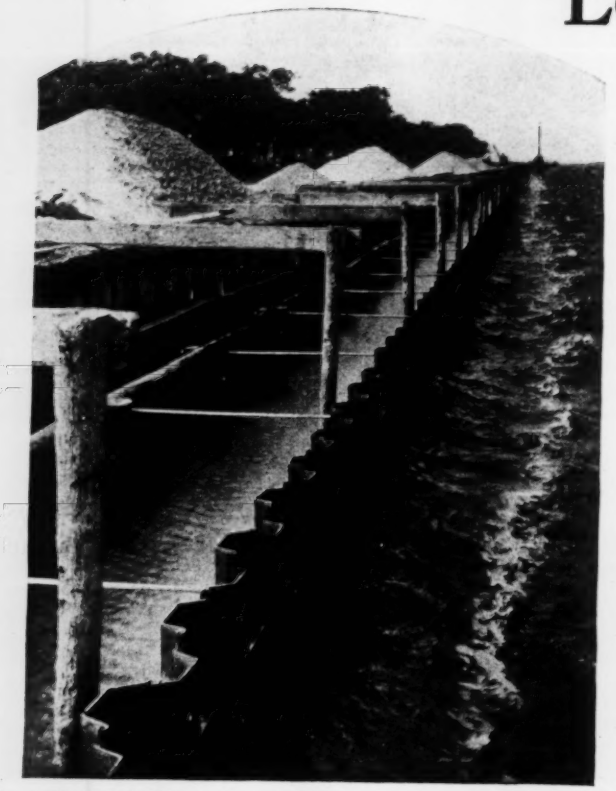
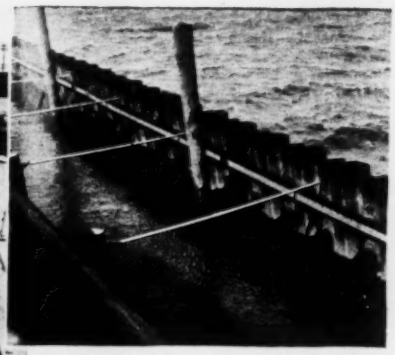
Lackawanna Steel Sheet Piling in *Mile-long* Sea Wall *at* Long Beach, N.Y.



Above: Front of piling wall showing steel channel wale.



Above: Timber anchorage, tie rods, and the channel wale for supporting concrete cap.

Left: Freshly poured concrete which will protect the piling against corrosion above low water level. A portion of the completed wall shows in the background.

Deep-Arch Section DP165 Lackawanna Steel Sheet Piling was used in the construction of a sea wall, 5,320 feet long, for the City of Long Beach.

The Steel Sheet Piling was jetted into the sand, then driven a few feet to final penetration by drop hammer. The piling was used in 18-foot lengths; the total penetration was 12 feet.

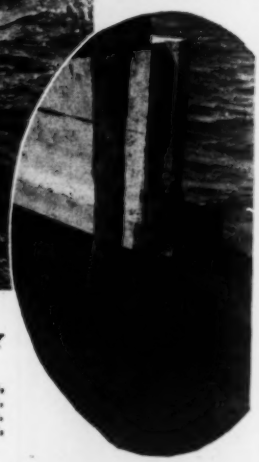
The high transverse strength of Lackawanna Steel Sheet Piling makes it particularly suitable for installations of this type.

A. Shrir er, City Engineer, City of Long Beach, N. Y.

A. M. Hazell, Inc., New York City Contractor

Left: The overall thickness of this piling wall explains the high transverse strength of the Deep-Arch Section. Note the excellent alignment obtained in driving.

Below: Detail of reinforced concrete cap which protects steel against corrosion. On the outside the concrete extends below low water.



BETHLEHEM STEEL COMPANY

General Offices: Bethlehem, Pa.

District Offices: New York, Boston, Philadelphia, Baltimore, Washington, Atlanta, Pittsburgh, Buffalo, Cleveland, Cincinnati, Detroit, Chicago, St. Louis, San Francisco, Los Angeles, Seattle, Portland and Honolulu.

Bethlehem Steel Export Corporation, New York
Sole Exporter of our Commercial Products

BETHLEHEM

Airports—(Continued)

AIRPORT—**St. Paul, Minn.**—J. H. McDonald, comr. P. Wks., additional hangars, heating equipment, filling, at municipal airport. $200,000. J. W. Kelsey, city engr.

AIRPORT IMPROVEMENTS—**Pueblo, Colo.** — City, J. W. Carpenter, clk., beacon, safety and landing lights, surfaced runways, underground oil, gas, water and air servicing equipment. D. P. Gaymon, city engr.

Bids Desired

AIRSHIP HANGAR—**Akron, O.**—Goodyear Zeppelin Corp., K. Arnstein, vice-pres., taking bids 1 story, 200 ft. high, 315 x 1,110 ft., brick, steel hangar. $1,000,000. Wilbur, Watson & Associates, 4614 Prospect Ave., Cleveland, archts. Concrete piling awarded to MacArthur Concrete Pile & Foundation Co., 55 John St., New York City.

Contracts Awarded

AIRSHIP HANGAR — **Akron, O.** — See "Bids Desired."

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Mass., Weymouth (Ind. br. Boston)—Town, F. G. Bauer, chn. building com., 120 ft. brick, cast stone retaining wall, 7 ft. high, Academy Rd. McLaughlin & Burr, 88 Tremont St., Boston, engrs.

N. J., Beachhaven—Boro, A. P. King, clk., stone jetty with timber core. $60,000. B. A. Sleeper, engr.

N. J., East Paterson—Bd. Boro Council, Gilbert Ave. School, draining flood water from brook running through southern section. $163,000. A. Noack, 106 Sommerset St., Garfield, engr.

N. J., Long Branch — Bd. City Comrs., City Hall, timber, concrete bulkhead and jetty. $50,000. Engineer not selected.

La., New Orleans — Sewerage & Water Bd., lined and covered drainage canals in Mirabeau and North Rocheblave Aves. $170,000. G. G. Earl, S. and W. B. Bldg., engr.

Tex., Bonham—Fannin Co. Levee Impvt. Dist. 2 reclaiming 10,000 acres, incl. construction 35 mi. main and lateral channels. $250,000. H. J. Wilkins, engr.

Tex., Bonham—Fannin Co. Levee Impvt. Dist. 4, 10 mi. ditches, incl. 350,000 cu.yd. excav. F. Leslie, Bonham, atty. J. H. Wilkins, engr.

Tex., Ingleside—City and Humble Oil & Refining Co., Ingleside, surveys draining, reclaiming several thousand acres. $30,000. Private plans.

Bids Desired

Ill., Morris—Dec. 19, at office Dpt. Purchases & Constr., Division Waterways, Springfield, Dresden Island Lock and Dam in Illinois River, 7 mi. from here. L. D. Cornish, ch. engr.; adv. E. N.-R. Nov. 22.

Ill., Urbana—Nov. 26, by Commissioners Salt Fork D. D., Champaign Co., drainage work, incl. 74,462 cu.yd. excav., blasting, replacing 36 cu.yd. bridge abutments, 7.8 mi. clearing, 960 ft. corrugated iron 7,475 cu.yd. rein.-con. headworks, spillways. G. C. Sperling, Urbana, engr.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 14, dredging Newtown Creek, from Joseph McSpirit & Son, Inc., 40 Glenwood Ave., Jersey City, N. J., $22,010; Gowanus Canal, from Taylor & Pearson, Inc., 50 Church St., New York, $13,000; Wallabout Canal, from William Beard & Co., 59 Pearl St., New York, $6,320. Noted Nov. 8.

Louisiana — State Bd. Engineers, New Court House, New Orleans, 55,500 cu.yd. levee work in Wild Lucia Levee and 45,000 cu.yd. levee work in Rock Point Levee, from Ober & Lambert, Shreveport, at $0.239 per cu.yd.; 49,500 cu.yd. Jetter Levee, from J. Forbes, Marksville, at $0.269 per cu.yd.; 13,652 cu.yd. in Lacey Bayou, from E. A. Enloe, Shreveport, at $0.299 per cu.yd.

Contracts Awarded

N. Y., New York — M. Cosgrove, comr. Docks, Pier A, Battery Pl., dredging slips adjacent to Pier 46, to H. N. DuBois Sons, 17 State St., $24,596. Noted Oct. 11.

Michigan — L. R. Doane, drain comr. Ingham Co., Mason, 15.5 mi. open cut and 3.5 mi. tile drain in McCrea Drain, Ingham and Shiawasse Counties, 10 sections to W. Thatcher, Flint, $24,000; 9,000 ft. tile drains, to F. Gailey, Danville, $1,926; 15 bridges to Wolverine Eng. Co., Mason, $24,950. Grand total $50,876. Est. $70,000. Noted Oct. 18.

Ia., Le Mars—Plymouth Co., to G. W. Condon, 223 Grain Exch. Bldg., Omaha, Neb., main and lateral D. D. 3, 162,667 cu. yd. excav. at $0.74 per cu.yd., 9,600 cu.yd. $0.20.

Kan., Wichita—Sedgwick-Sumner D. D. 1, F. C. Hukle, secy., main ditch, levees, sluiceways, one 36 ft. I-beam bridge, to List & Bagnell, 415 Ry. Exch. Bldg., Kansas City, Mo., $21,500.

B. C., Steveston — Dominion Govt., Ottawa, Ont., repairing North Jetty, Sect. 4, in Fraser River, to Vancouver Pile Driving & Contg. Co. Ltd., 207 Hastings St. W., Vancouver, $58,550.

Streets and Roads

Proposed Work

New Hampshire — State Hy. Dpt., Concord, 3 in. gravel on 6 in. gravel paving, 2 bridges on 2.329 mi. Mascoma Valley Rd., Grafton. L. F. Johnson, Lebanon, engr.

New Jersey—State Hy. Comn., Trenton, boulevard on east side, Paterson, Passaic Co. $800,000. W. G. Sloan, Trenton, state engr.

N. J., Clifton — Bd. City Council, City Hall, grading, curbing, guttering, bituminous macadam paving Hutherford Blvd. between Main and Passaic Aves. $55,000. J. L. Fitzgerald, city engr.

N. J., Clifton—Preliminary plans grading, bituminous macadam paving Byron Pl. and Carolina Ave. $26,000. J. L. Fitzgerald, city engr.

N. J., East Somerville (mail Somerville) —Boro Council, Boro Hall, preliminary plans grading, curbing, sidewalks on Fairmount and Southside Aves. $29,000. W. Berryman, boro engr.

N. J., Fort Lee—Bd. Boro Council, Boro Hall, grading, bituminous macadam paving North and 2nd Sts. $25,000. McClave & McClave, 600 Gorge Rd., Cliffside, boro engrs.

N. J., Hackensack — Hackensack Impvt. Comn., Municipal Bldg., grading, 6 in. bituminous macadam paving Sanford and Kipp Sts. $50,000. F. Campbell, city engr. Noted Oct. 25.

N. J., Hasbrouck Heights (Ind. br. Hackensack)—Bd. Freeholders Bergen Co., Court House, Hackensack, preliminary plans grading, rein.-con. paving Henry St. $50,000. R. McClave, Court House, Hackensack, co. engr.

N. J., Hawthorne — Bd. Freeholders Passaic Co., Court House, Paterson, grading, sheet asphalt on concrete paving Lafayette Ave. from Rea Ave. to Goffle Rd. $65,000. G. Ferguson, Court House, Paterson, co. engr.

N. J., Lodi (Ind. br. Hackensack)—Bd. Boro Council, Boro Hall, grading, sheet asphalt on concrete paving Washington St. from Main to Prospect Sts. $30,000. A. Noack, 236 Main St., Hackensack, boro engr.

N. J., Montclair — Bd. Town Comrs., Administration Bldg., preliminary plans grading, sheet asphalt on concrete paving along Erie R.R. between Lorraine Ave. and Jerome Pl. $25,000.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, grading, paving Kansas Ave. $25,000. R. Glenn, town engr.

N. J., Paterson—Bd. Freeholders Passaic Co., Court House, grading, paving Union Ave. from Ryerson Ave. to Paterson-Totowa dividing line. $50,000. G. Ferguson, Court House, co. engr.

N. J., Scotch Plains—Twp. Com., Town Hall, preliminary plans grading, guttering, curbing, 8 in. rein.-con. paving Jerusalem Rd. from Mountain to Plainfield Aves. $60,000. H. L. Paff, Forest Rd., twp. engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, culverts, grading 54.3 mi. hys. in Robeson, Surry, Iredell, Clay and Graham Counties. $270,000. L. R. Ames, Raleigh, engr.

La., New Orleans — City Council, City Hall, cancelled bids to have been open Dec. 4, paving Apricot, Apple, Broadway, Bienville, Cambronne, Daniel, Hamilton, Canal, Forshey, Dryades and Canal Sts. Noted Nov. 1.

La., St. Joseph — Tensas Parish preliminary plans grading, improving 30 mi. roads. $200,000.

Ind., Auburn—Comrs. DeKalb Co. concrete paving M. F. Long Rd. $43,511. E. Dawson, Auburn, aud.

Ind., Bloomfield—Comrs. Greene Co. concrete paving Dyer Rd. $56,105. G. R. Hudson, Bloomfield, aud.

Ind., Brazil—Comrs. Clay Co. constructing Roads 1 to 4 (inclusive). $52,028. O. J. Jenkins, Brazil, aud.

Ind., Crown Point — Comrs. Lake Co. concrete paving Daniels Rd. $61,057. W. E. Whitaker, Crown Point, aud.

Ind., Danville — Comrs. Hendricks constructing T. J. Boler Rd. $28,147. F. L. Whicker, Danville, aud.

Ind., Ft. Wayne — Comrs. Allen Co. concrete paving 6.046 mi. Tonkel Rd. $203,500. J. H. Johnson, Ft. Wayne, aud.

Ind., Goshen — Comrs. Elkhart Co. graveling George Hoffman "H-4," Jos. E. Reed "Z-2," A. Silver, and County Unit "I-4" Rds. $77,500. O. B. Weaver, Goshen, aud.

Ind., Greensburg — Comrs. Decatur Co. concrete paving Frank Ford Rd. $33,415. W. T. Zetterberg, Greensburg, aud.

Ind., Indianapolis — Comrs. Marion Co., crete paving Capitol Ave. and East 90th St., $43,287—graveling East 79th St., $16,980—asphalt paving Hanna Ave., $23,500. H. F. Campbell, Court House, engr.

Ind., Kokomo — Comrs. Howard Co. penetration type of asphalt paving B. Winkler Rd., 20 ft. $37,605. O. O. Butcher, Kokomo, aud.

Ind., Lafayette—Comrs. Tippecanoe Co. concrete paving 6,435 ft. Bone Rd., 36 ft. $33,965. C. M. Davis, Lafayette, aud.

Ind., LaGrange — Comrs. LaGrange Co. constructing road in Eden Twp. $27,155. J. E. Zook, LaGrange, aud.

Ind., Marion — Comrs. Grant Co. constructing Lincoln Blvd. $31,612. A. J. Green, Marion, aud.

Ind., Newport — Comrs. Vermillion Co. concrete paving Wright Rd. $39,615. M. Lewis, Newport, aud.

Ind., Princeton—Comrs. Gibson Co. constructing White-Alvis Rd., White River Twp. $26,410. A. M. Johnson, Princeton, aud.

Ind., South Bend—Comrs. St. Joseph Co. concrete paving Eberhart and Laing Rds. $71,020. F. P. Crowe, South Bend, aud.

Ind., South Bend—Comrs. St. Joseph Co. concrete paving Fillmore Rd. $100,000. F. P. Crowe, South Bend, aud.

Ind., Winchester — Comrs. Randolph Co. concrete paving R. R. Macy Rd. $47,207. I. E. Smithson, Winchester, aud.

Ill., Collinsville—Preliminary plans grading, curbing, concrete paving Burroughs, Aurora, Johnson and Harrison Sts. Kinsey Eng. Co., Marshall Bank Bldg., Pekin, engrs.

Ill., Litchfield—Concrete paving, asphalt repaving brick streets. $150,000. Consoer, Older & Quinlan, Inc., 205 West Wacker Dr., Chicago, consult. engrs.

Kan., Atchison—Atchison Co. soon takes bids grading, bridging 5.273 mi. U. S. Rd. 73-W, 30 ft. F. C. Healea, Court House, engr.

Kan., Ellsworth — Ellsworth Co. soon takes bids sand clay surfacing 3.57 mi. Kansas Project 722, U. S. Rd. 40-S, 30 ft.—grading 10.587 mi. Federal Aid Project 374, U. S. Rd. 40-S, 30 ft.—4.097 mi. Federal Aid Project 374, U. S. Rd. 40-S and 15-B, incl. 4 bridges. S. E. Foster, Court House, engr.

Kan., Jetmore — Hodgeman Co. soon takes bids grading 13.169 mi. U. S. Rd. 50-N, Federal Aid Project 359-B, 30 ft.; 2 multiple box span bridges, U. S. Rd. 50-N, Federal Aid Project 606. L. A. Hunter, Court House, engr.

Kan., Lyndon—Osage Co. soon takes bids grading 9.646 mi. U. S. Rd. 50-N—4.692 mi. U. S. Rd. 50—7.823 mi. U. S. Rd. 50-S, all 30 ft.—100 ft. Marsh arch span bridge, 20 ft., on Federal Aid Project 264, U. S. Rd. 50-S. F. C. Healea, Court House, engr.

Kan., Phillipsburg — Phillips Co. postponed taking bids indefinitely improving 9.244 mi. Kansas Project 717. Noted Nov. 1.

Kan., Russell Springs—Logan Co. soon takes bids grading 11.618 mi. Kansas Project. 61-A, B and C, 30 ft. R. C. Keeling, Court House, engr.

Kan., Scott City—Scott Co. preliminary plans sand gravel surfacing 6.947 mi. Rd. K22-12, and 9.402 mi. Rd. K22-11. F. Petefish, Court House, engr.

Mo., Kansas City—Jackson Co., improving 3.5 mi. 24th Street Rd.—4 mi. Blue Ridge Extension and paving 9.25 mi. Blue Ridge Rd.—14 mi. Outer Belt Rd.—13. mi. Colborn Rd., each 18 ft. To exceed $425,000. L. Koehler, Kansas City, co. engr.

Mo., St. Louis—Grading, curbing, hard-surfacing 52.8 mi. during 1929. $4,000,000. W. W. Horner, City Hall, engr.

Ark., Boonville—Preliminary plans grading, curbing, concrete paving 20 blocks Cook Ave., Main, Bway., 3rd and Bennett Sts. $100,000.

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Streets and Roads (Continued)

Ark., Harrison—Preliminary plans grading, curbing, concrete paving 9 blocks South Cherry, West Highland and West Stephenson Sts.

Ark., Hope—Heilbron Investment Co. & Eldridge Realty Co., Texarkana, preliminary plans grading, curbing, hardsurfacing Subdivision along Louisiana & Arkansas R.R. right-of-way. $100,000.

Ark., Hot Springs—Preliminary plans grading, curbing, hard-surfacing. Paving Dist. 122.

Ark., Little Rock — Preliminary plans grading, curbing, hard-surfacing 5 mi. Cantrell Rd., Lincoln Ave., Cross, Valley, Martin, O and Q Sts.

Texas—State Hy. Dpt., Austin, grading 15.555 mi. Hy. 32, Leon Co., 26 ft., $85,000, Nagle, Witt & Rollins Co., Centerville, engrs.; concrete paving 14.403 mi. same road, Freestone Co., 18 ft., $75,000, M. B. Hodges, Teague, resident engr.

Tex., Houston—City, improving Harrisburg Blvd. from Hughes St. to Brays Bayou. $280,000. J. C. McVea, city engr.

Oklahoma—State Hy. Comn., Oklahoma City, preliminary plans grading 10 mi. State Hy. 5, Tillman Co. To exceed $25,000. C. R. Mandigo, hy. engr.

Okla., Hollis—Concrete paving 8,000 sq. yd. 6th St. To exceed $25,000. Coon & McKinnon, Guthrie, engrs.

Okla., Lindsay — Grading, paving 16 blocks Creek, Choctaw and Chickasaw Sts., 26 ft. To exceed $25,000. C. A. Sanders, mayor.

Okla., Oklahoma City—Grading, concrete paving 9,000 sq.ft. 26th St. S. and East Kelley St. To exceed $25,000. W. W. Small, City Hall, engr.

Okla., Oklahoma City — Preliminary plans grading, paving 10 blocks North Kelly and College Sts. To exceed $25,000. W. W. Small, City Hall, engr.

California—State Hy. Dept., Sacramento, grading, concrete paving 2.5 mi. road between Ontario and Pomona, 30 ft., $100,000 and grading, oil treated crushed rock surfacing 14 mi. road between Hector and Argus, 20 ft., $200,000, both San Bernardino Co.—widening with 2½ ft. asphalt shoulders each side road between Oak Grove School and Visalia, Tulare Co., $41,000. C. H. Purcell, Sacramento, engr.

Ontario—Suburban Roads Com., London, concrete paving 6 mi. road between London and Nilestown. $200,000. C. Talbot, County Bldgs., London, engr.

Ont., Hamilton—Council asphalt paving 4 streets. $45,000. W. L. McFaul, City Hall, engr.

Ont., Hanover—Concrete curbing, guttering, concrete, asphalt or bitulithic paving 30,000 sq.yd. main streets. $92,784. Ontario Eng. Co., Fort Erie, engrs.

Ont., London — Middlesex Co. concrete paving. $100,000. C. Talbot, County Bldgs., engr.

Bids Desired

Rhode Island—Nov. 28, by State Bd. P. Roads, Providence, bituminous macadam paving 5.74 mi. Contr. 2810, Scituate, and 2.74 mi. Contr. 2817, Smithfield; adv. E. N.-R. Nov. 22.

N. Y., Brooklyn — Nov. 28, by J. J. Byrne, pres. Brooklyn Boro, Boro Hall, grading, curbing, flagging East 40th, East 49th and West 1st Sts.—sheet asphalt on concrete paving Rutland Rd., 19th and 3rd Aves., East 46th, East 96th, Union, President, West 1st Sts.—granite block repaving 2nd Ave. and West St.

N. Y., New York — Nov. 27, by B. S. Coler, comr. Dpt. Pub. Welfare, Municipal Bldg., sidewalks, walks, curbing, roadways and lawns at Bronx General Hospital, Walton and Gerard Aves., East 167th and East 168th Sts. C. B. Meyers, 31 Union Sq. W., archt.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., bids about Jan. 1, elevated express highway along Hudson River from Canal to 59th Sts. and from 59th to 72nd Sts. $13,500,000. Noted Aug. 23.

N. Y., St. George — Nov. 28, by J. A. Lynch, pres. Richmond Boro, Boro Hall, grading, paving Highview Ave.—grading, bituminous concrete repaving Blackford Ave., Willowbrook and Amboy Rds.—temporary sanitary sewer in Crescent Ave.

Va., Richmond — Nov. 27, by R. Keith, dir. P. Wks., grading, curbing, guttering, graveling streets in West End.

Ala., Birmingham — Dec. 11, by City Com., concrete walks, 7 in. concrete, 2 in. asphalt on 5 in. concrete paving 7 blocks, 30th St. Ensley, Jasper Rd., 7th Ave. Ensley, and Ave. X, Ensley. $31,160. A. J. Hawkins, city engr.

Miss., Holly Springs — Dec. 3, by Bd. Supervs. Marshall Co., grading 56,000 cu.yd. Victoria Rd., incl. 30,000 ft. creosoted lumber, 60 ft. piling.

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La., Covington—Dec. 10, by Mayor, 2 in. warrenite bitulithic on 2 in. asphaltic paving Rutland and Jahncke Sts. A. G. Mundinger, Baton Rouge, engr.

Kentucky—Dec. 19, by State Hy. Dpt., Frankfort, grading 4.5 mi. Danville-Springfield Rd., S. P. 47 A-G, Boyle Co.—9.9 mi. Murray-Benton Rd., S. P. 70 A-G, Calloway Co.—9 mi. Caneyville-Beaver Dam Rd. F. A. 186 B-G, and 6.1 mi. Clarkson-Peonia Rd., S. P. 58 A-G, Grayson Co.—8.4 mi. Benton-Murray Rd., F. R. 86 A-G, Marshall Co.—10.2 mi. Beaver Dam-Caneyville Rd., F. A. 186 B-G, Ohio Co.—surfacing 11.8 mi. Leitchfield-Caneyville Rd., S. P. 66 A-S, Grayson Co.—6.7 mi. Loretto-Bardstown Rd., S. P. 206 A-S, Marion Co. W. S. Watkins, hy. engr.

Kentucky and Indiana — Dec. 12, by Louisville Bridge Comn., Todd Bldg., Louisville, Ky., approaches for bridge over Ohio River, 20,000 ft. concrete foundation piles, 1,400 cu.yds. concrete in footings, 1,200 cu.yd. rein.-con., 8,000 sq.yd. concrete paving, 7,300 sq.yd. rein.-con. on structural steel, 3,200,000 lb. structural steel. Modjeski & Masters, Keystone Bldg., Harrisburg, Pa., engrs.

Ohio—Nov. 30, by H. J. Kirk, dir. Hys., Columbus, grading 4.69 mi. Sects. C-1 and C-2, State Rd. 7, Belmont Co., $320,286; grading, paving 8.044 mi. Sects. O and P, State Rd. 146, Muskingum Co., $191,688.

Iowa — Nov. 27, by State Hy. Comn., Ames, grading, paving 9.142 mi. U. S. Rd. 20, P-167-F, Butler Co.—4.163 mi. U. S. Rd. 65, P-89, Cerro Gordo Co.—4.88 mi. U. S. Rd. 20, F-266-A, Grundy Co.—13.9 mi. U. S. Rd. 75, F-138 and 11.6 mi. U. S. Rd. 75, F-228, Harrison Co.—17.274 mi. Primary Rd. 17, F-163, Jones Co.—10.954 mi. U. S. Rd. 75, F-184, Monona Co.—11.068 mi. Primary Rd. 7, F-309, Pottawattamie Co.—6.977 mi. U. S. Rd. 65, P-555, Worth Co. — grading 1.51 mi. Primary Rd. 4, P-562-B, Fremont Co.—2.412 mi. Primary Rd. 2, P-584, Marion Co. R. F. Whlte, hy. comr.

Minn., Shakopee — Dec. 4, by A. J. Mayor, aud. Scott Co., grading 120,000 cu.yd., 2 monolithic and portable culvertson Job 2804, State Aid Rd. 23, $25,000; 80,000 cu.yd., 2 bridges, portable culverts on Job 2805, State Aid Rd. 24, $25,000. D. Childs, Shakopee, co. hy. engr.

Kan., Kansas City — Dec. 3, by Clerk Wyandotte Co., concrete paving 1.564 mi. Swartz-Probst Rd., 18 ft. To exceed $25,000. A. K. Williamson, Kansas City, engr.

Tex., Galveston—Dec. 10, by Galveston Co., c/o J. M. Murch, aud., shell surfacing 25 mi. Port Bolivar-High Island Rd. $90,000. C. C. Washington, Galveston, co. engr.

Tex., Houston — Nov. 28, at office City Secretary, paving 1 mi. Airline Rd. from north line North Main St. to city limit. $100,000. J. C. McVea & A. J. Wise, Houston, engrs.

Tex., Pampa—Dec. 6, by Gray Co., c/o T. M. Wolfe, judge, Pampa, grading, concrete paving 5 mi. Le Fors and Borger Rds. $150,000. A. H. Doucette, Pampa, engr.

Bids Received

Massachusetts — Dpt. P. Wks., State House, Boston, bituminous macadam paving 21,943 ft. hy. in Sandisfield and Tolland, from New Haven Constr. Co., Inc., 70 College St., New Haven, Conn., $105,654—16,830 ft. Winchendon, from Lawton Constr. Co., Providence, R. I., $124,865—gravel and bituminous macadam paving 4,270 ft. Palmer, from Kelliher Corp., Turners Falls, $12,706—bituminous concrete paving 9,253 ft. Falmouth, from S. W. Lawrence, Falmouth, $52,180. Noted Nov. 8.

Connecticut — State Hy. Dpt., Hartford, waterbound macadam paving 11,866 ft. Obtuse Rd., Brookfield, from Miller Bros. Constr. Co., Inc., 151 Earl St., Hartford, $92,710.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Nov. 14, from Castle Bros. Johnson Pl., granite block paving Meserole St., $25,144—from C. R. Contg. Co., 1469 Flatbush Ave., macadam paving West 2nd St. $5,044; grading Avenue Z, $9,414—from M. A. Zappone, 1442 72nd St., West 6th St., $2,485—from B. Turecamo Contg. Co., New Cropsey Lane, grading, sheet asphalt on concrete paving East 39th St. $4,351; Ryder St. $2,957; 64th St. $6,680; 73rd St. $2,057—from D. J. McCoy Asphalt Co., Avenue U and East 57th St., East 40th St., $6,471—from Uvalde Asphalt Paving Co., 1 Bway., New York, Lorimer St., $58,334—from M. J. O'Hara, Neptune Ave. and West 19th St., 65th St., $8,757. Noted Nov. 8.

N. Y., Buffalo — Bd. Supervs. Erie Co., Nov. 7, rein.-con. paving 3.22 mi. Southwestern Blvd., Part 1, G. M. S. 205, from Harrison Eng. Co., Ellicott Sq., $159,088.

N. Y., Long Island City—B. M. Patten, pres. Queens Boro, Queens Subway Bldg., Nov. 15, grading Seneca Ave., from Kordes Contg. Co., 59 Washington Ave., Brooklyn, $7,294—sheet asphalt on concrete paving Fisk and Woodside Aves., from Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $11,148 and $10,620 respectively—69th St., from Carbloc Paving Corp., Varick and Stagg Sts., $30,010—Jamaica Ave., from Highway Impvt. Co., Furmans Island, Brooklyn, $11,220—Farmers Ave. and Springfield Blvd., from Meehan Paving & Constr. Co., 90 West St., New York, $48,958 and $39,630 respectively—Home Lawn Ave., from W. P. MacDonald Co., Lawrence St., Flushing, $41,205. Noted Nov. 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Nov. 15, grading, curbing, flagging, sheet asphalt on concrete paving West 165th and 59th (Grand Army Plaza) Sts., from C. D. Beckwith, Seneca Ave. and Edgewater Rd., $6,422 and $1,806 respectively. Noted Nov. 8.

N. Y., New York — J. J. Dietz, comr. Water Supply, Gas & Electricity, Municipal Bldg., Nov. 16, clay-loam-cinder surfacing, fencing with spiral spring wire, walks around upper reservoir in Central Park, from J. A. Nicosia, $16,944. Noted Nov. 15.

Md., Baltimore — Bd. Awards, Nov. 14, sheet asphalt paving 12,700 sq.yd. Contr. 492, from P. Flanigan & Son, Harford Rd. and Baltimore & Ohio R.R., $53,336. Noted Nov. 8.

Virginia — State Hy. Comn., Richmond, Nov. 13, grading 0.66 mi. to Robertson River and 0.89 mi. road, Madison Co., from Fredericksburg Constr. Co., Fredericksburg, $18,808; graveling 0.2 mi. Sussex Co., from Perkins & Barnes, $13,101. Noted Nov. 1.

Wis., Milwaukee—Dpt. P. Wks., R. E. Stoelting, comr., Nov. 16, from Eastern Constr. Co., 878 Franklin Pl., improving Gorden St. $1,285—from W. F. Hunt, 445 Milwaukee St., Hopkins St. $36,519 62nd St. $3,798—from Czerwinski Constr. Co., 816 Clinton St., Moltke Ave. $14,941—from J. C. Bluhm, 1299 Achilles Ave., Townsend St. $3,912—from Gumz & Switalski, 831 13th Ave., Weil St. $1,021—from White Constr. Co., 68 East Wisconsin Ave., East Water St. $20,554, Ogden Ave. $24,811, State St. $35,428.

Tex., Houston—For 3 in. brick on 8 in. concrete paving Navigation Blvd., from A. M. Arnold & Co., 113 North Buffalo St., $47,577 est. $60,000—paving Lowell and Brunner Sts., from S. Shambaugh, 1401 Dowling St., $121,045. Est. $150,000.

Calif., San Diego — Paving, improving Foothill Blvd., from Watson & Sutton, Nowell Bldg., $54,491.

Calif., San Diego—Common Council, Nov. 13, grading, curbing, concrete sidewalks, 6 in. concrete paving 106,169 sq.ft. Coast Blvd., from Watson & Sutton, Box 396, $30,926. Noted Nov. 1.

Contracts Awarded

Conn., Hartford—Sheet asphalt paving 7,165 sq.yd. Capital Ave., and sheet asphalt on concrete paving 2,800 sq.yd. Spruce St., to Edward Balf Co., 14 Haynes St., $25,923. Est. $25,000.

New York — A. W. Brandt, comr. Hys., Albany (**e.e. means engineers estimate**), grading 1.04 mi. Nassau Co., to E. J. Hughes, Mineola, $58,337 e.e. $89,009 — graveling 9.57 mi. Delaware Co., to O. P. Williams, Oneonta, $382,700 e.e. $603,981—bituminous concrete paving 8.62 mi. Hamilton Co., to J. Arborio, 59 Center St., New Haven, Conn., $247,742 e.e. $357,352—concrete paving 2.06 mi. Westchester Co., to F. J. Downing, 13½ Swan St., Buffalo, $164,524 e.e. $228,932—0.31 mi. Nassau Co., to Connor Bros., Long Beach Blvd., Long Beach, $42,639 e.e. $60,765 — 4.85 mi. Suffolk Co., to Westchester Constr. Co., Schuylerville, $337,630 e.e. $509,720 — eliminating grade crossing, Chemung Co., to J. W. Gurnett, Watkins Glen, $47,945 e.e. $65,613. Grand total $1,281,517. Noted Nov. 15.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., sheet asphalt on concrete paving West 99th and 121st Sts., to Valatia Constr. Co., 15 East 40th St., $11,755 and $10,087 respectively. Noted Nov. 1.

New Jersey—Bd. Freeholders Hudson Co., Court House, Jersey City, resurfacing north and south approaches Park Ave. viaduct between Weehawken and Hoboken, to Clinton Asphalt Co., 308 16th St., Union City; Avenue C Bridge between Jersey City and Bayonne, to New Jersey Asphalt & Paving Co., Inc., foot Jersey Ave., Jersey City.

New Jersey—Passaic Co., Court House, Paterson, sheet asphalt on concrete paving Sect. 1, Lakeview Ave., to Dyer Kane Co., 127 Prospect St., Passaic, $63,753; Sect. 2 same avenue, to Franklin Contg. Co., 20 Washington Pl., Newark, $69,924; and removing trolley tracks, granite block paving

Streets and Roads (Continued)

Sect. 3, Lakeview Ave., to Martin White Co. 52 Lexington Ave., Passaic, $75,596. Grand total $209,273.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, paving, sewers in Bove Terrace, Columbia Ave., Hoboken and Demott Sts., to Clinton Asphalt Co., 308 16th St., Union City, $49,667. Noted Oct. 4.

N. J., North Bergen (Ind. br. West New York)—Twp. Comn., Town Hall, concrete sidewalks on Paterson Turnpike from Bergen Turnpike to westerly terminus, to Primoshie-Riley, Inc., Terrace Ave., Hasbrouck Heights, at $0.2375 per sq.ft. Noted Nov. 8.

Pennsylvania—State Hy. Comn., Harrisburg, grading, bituminous macadam surfacing 35,000 sq.yd. Lancaster Co., to Thomas, Bennett & Hunter, Westminster, Md., $97,954—13,540 sq.yd. Lancaster Co., to Fulton Constr. Co., Lancaster, $29,735—6,037 sq. yd. Bucks Co., to L. W. Merriman, Ebensburg, $14,388—concrete paving 50,074 sq.yd. Greene Co., to Tri-State Eng. Co., Cumberland, Md., $408,464—20,600 sq.yd. Clearfield Co., to David Bailey, Morrisdale, $102,628. Grand total $653,169. Noted Nov. 15.

Md., Baltimore—Bd. Awards, sheet asphalt paving 9,700 sq.yd. Contr. 490, to Amer. Paving Co., Montebello Ave., $47,416; grading 22,000 cu.yd. Contr. 491, to T. Mullan, 3945 Greenmount Ave., $8,338. Noted Nov. 1.

North Carolina—State Hy. Comn., Raleigh, grading, sheet asphalt and asphaltic concrete paving 6.19 mi. Pitt Co., to Southern Paving Constr. Co., Chattanooga, Tenn., $69,687—grading, gravel and crushed stone surfacing 4.17 mi. Project 709, and 3.47 mi. Project 7080, Alleghany Co., to Mack Constr. Co., North Wilkesboro, $58,495 and $29,174 respectively. Grand total $157,356. Noted Sept. 27.

Ala., Montgomery—For 1½ in. sheet asphalt on 5 in. concrete paving 9,500 sq.yd. 5th St. and Park Pl., to R. G. Lassiter & Co., Shepherd Bldg., $19,502.

Miss., Vicksburg—Supervs. Warren Co., grading 30,000 cu.yd., graveling 6,667 cu. yd. hys., to G. W. Russell Co., Hazelhurst, $26,793. Noted Oct. 25.

Tennessee — State Dpt. Hys. & Pub. Wks., Nashville, to R. E. Martin, Pulaski, grading Perry Co. $15,481; Meigs Co. $68,979; Henry and Stewart Counties $39,610—to Henry Bros., Maryville, Monroe and Loudon Counties, $26,702—to Cresap Bros., Humboldt, Gibson Co. $100,286—to S. R. Hall & Co., Newburn, Weakley Co. $114,214—to Reynolds Constr. Co., White Pine, Cocke Co. $64,274—to W. J. Bryson Paving Co., 239 West Adams St., Jacksonville, Fla., Henry Co. $207,718—to Wells Constr. Co., South Pittsburg, Hamilton Co. $89,855—to Municipal Paving & Constr. Co., Nashville, Williamson Co., $91,613—to J. J. Battershill & Son, Virgilina, Va. Washington Co. $204,372—to Steel Co., Fayetteville, Hickman Co. $14,198—to McQuarry Bros., Adams, Davidson Co. $182,874—to J. Oman, Jr., Chamber Commerce Bldg., Nashville, Davidson Co. $174,769—to Brown Contg. Co., 706 Manning St., Catttanooga, Moore Co. $15,252. Grand total $1,410,197. Noted Oct. 4.

O., Youngstown—Comrs. Mahoning Co., asphalt paving Melrose St. and Erskine Ave., to Mathew Grein & Son, Youngstown, $36,000. Est. $40,000.

Ind., La Porte—Comrs. LaPorte Co., macadam paving Herrold and Wolfe Roads, to Cook Bros., La Porte, $20,965 and $54,384 respectively—concrete paving Tyron Rd., to David Constr. Co., Michigan City, $54,839—Holton Rd., to Tri Lake Constr. Co., Columbia City, $52,791—macadam paving Grams and Jahns Roads, to F. Schirr, Westville, $53,946. Grand total $236,925. Noted Oct. 4.

Ind., Mt. Vernon — Posey Co., concrete paving 4,467 ft. S. J. Miller Rd., to L. J. Utley & Son, Mt. Vernon, $29,914. Noted Oct. 4.

Wisconsin—State Hy. Comn., Madison, grading 5.771 mi. Vernon Co., to G. J. Grant, 904 Exch. Bank Bldg., St. Paul, Minn., $25,322—concrete paving 0.83 mi. Marquette Co., to J. F. Bloomer, Appleton, $27,632—crushed stone surfacing 5.771 mi. Vernon Co., to Fitton, Muller & Fitton, Madison, $23,142. Grand total $76,096.

Wisconsin—State Hy. Comn., Madison, concrete paving 8.616 mi. Project 344-A, Dane Co., to J. R. Griffith Co., Racine, $219,690.

Wis., Milwaukee — Dpt. P. Wks., R. E. Stoelting, comr., to W. F. Hunt, 445 Milwaukee St., improving Blue Mound Rd. $29,303, 51st St. $17,343, Richmond Ave. $11,508; to Bonness & Sprout, 1226 3rd St., Tunnel Pl. $3,282. Grand total $61,436.

Ia., Muscatine—Muscatine Co. to Baumgardner & Schroeder, Wapello, graveling 4.625 mi. roads at $1.92 per cu.yd.; 11,650 cu.yd. $1.86—to McDougal Constr. Co., Sioux City, 1,770 cu.yd. $1.93; 375 cu.yd. $1.79; 1,640 cu.yd. $1.81; 1,650 cu.yd. $1.94.

Kan., Emporia — Lyon Co. sand graveling 10.158 mi. Kansas Projects 503 and 504, to A. L. Cook, Ottawa, $26,510.

Kan., Westmoreland—Pottawatomie Co., grading, culverts 8.115 mi. Project 40-29, Federal Aid Project 355-E and F, to G. W. Condon, 223 Grain Exch. Bldg., Omaha, Neb., $41,754. Noted Oct. 18.

South Dakota—State Hy. Comn., Pierre, graveling 28.025 mi. Carson Co., and 27.717 mi. Dewey and Carson Counties, to T. E. Sheehan Constr. Co., Sioux Falls, $74,502.

North Dakota—State Hy. Comn., Bismarck, grading 10.425 mi. Cass Co., to Advance Constr. Co., Fargo, $26,894. Noted Sept. 13.

Montana—State Hy. Comn., Helena, grading 5.021 mi. Project 248-A, Jefferson Co., to L. T. Lawler, Butte, $99,535.

Missouri — State Hy. Comn., Jefferson City, to H. H. Rudell, Madisonville, Ky., 24 ft. grading 2.816 mi. Ozark Co. $45,059—to Lahar Bros., Springfield, 30 ft. grading 3.425 mi. R. 21, Sect. 312-A, Ripley Co., $14,969; 3.558 mi. Sect. 312-B same road, $31,990; 1.364 mi. Sect. 312-C, $6,618—to Maxwell Constr. Co. ,Columbus, Kan., 1.076 mi. Barton Co. $23,313—to J. H. Miller & Son, Leon, Ia., 1.65 mi. Atchinson Co. $29,423; 1.04 mi. Lafayette Co., $12,132—to M. E. Gillioz, Monett, 0.7 mi. Hickory Co., $11,080—to G. W. Condon Co., Omaha, Neb., 0.4 mi. Nodaway Co., $5,377—to Chernus Constr. Co., Minneapolis, Minn., 1.56 mi. Marion Co., $14,960—to Excelsior Springs Constr. Co., Excelsior Springs, 2.27 mi. Boone Co., $16,754—to Kelly & Underwood, Granby, 3.04 mi. Lawrence Co., $45,497; 18 ft. graveling 3.06 mi. Cedar Co., $30,045; 3.135 mi. R. 39, Sect. 313-B, Cedar Co., $34,659—to Jenkins Bomen & Barkwell, Columbia, 3.88 mi. Pulaski Co., $6,997—to Allen & Kallmeyer, Steelville, 18 ft. chats surfacing 3 mi. Dade Co., $9,574—to Reed & Wheelock, Clay Center, Kan., grading 1.106 mi. Henry Co. $9,027; 8 ft. concrete paving same road, $12,617—to E. E. Hudson, Sikeston, 7,737 sq.yd. riprap Butler Co. $12,766. Grand total $372,857. Noted Sept. 20.

Ark., Nashville—Comrs. Paving Dist. 2. Planters Bank & Trust Co., grading, rein.-con. paving 27,400 sq.yd. with integral curbing and 23,900 sq.yd. without curbing, Main St., to Phoenix Constr. Co., Ft. Smith, $1.98 with and $1.85 without curbing.

Tex., San Antonio — For 146,000 sq.ft. concrete sidewalks and 60,000 lin.ft. concrete curbing in Palm Heights Addition, to Jagoe Constr. Co., Allen Bldg., $30,460 and $39,000 respectively.

Okla., Ada—Grading, paving 7 blocks Stockton Ave., 30 ft., to Fry Bros., Ada, $24,420. Est. $26,000. Noted Oct. 11.

Okla., Chickasha—C. R. Chinchall, city clk., grading, concrete paving 11,000 sq.yd. 19th and Oregon Sts., to Edminston Constr. Co., Chickasha, $32,478. Est. $35,000. Noted Nov. 1.

Okla., El Reno—Sheet asphalt repaving 16,000 sq.yd. Bickford and Rock Island Sts., to Park & Co., Okmulgee, $25,683. Est. $32,000. Noted July 5.

Okla., McAlester—Grading, paving 10 blocks East Washington Ave., 26 ft. to S. O. Maxey & Co., Durant, $28,240. Est. $31,460. Noted Sept. 20.

Okla., Oklahoma City—Oklahoma Co., grading 8 mi., 30 ft., to Green Constr. Co., 519½ West Main St., Oklahoma City, $37,170. Est. $45,000.

Colorado—State Hy. Dpt., Denver (**F.A.P. means Federal Aid Project**), graveling 3.3 mi. F.A.P. 134-B, near Vona, to W. A. Colt & Sons, Las Animas, $32,605—4.7 mi. F.A.P. 149-A, between Dear Trail and Agate, to F. Kentz, 2340 Stuart St., Denver, $26,004—bridge work F.A.P. 57, near Lamar, to Phelps Bros., Fowler, $8,888—bridge and approaches State Project 726, at Parlin, Gunnison Co., to C. L. Wilbur, Gunnison, $7,546. Grand total $75,043.

Idaho—State Hy. Comn., Boise, grading, crushed rock surfacing 6.234 mi. Project 141-B, Twin Falls Co., to C. A. Robinson, Twin Falls, $63,774.

Nevada—State Hy. Comn., Carson City, grading, crushed stone surfacing 23,700 cu.yd. Federal Aid Project 109-C, White Pine Co., to J. N. Tedford, Fallon, $74,669.

Calif., San Diego—Concrete curbing, watermains, sewer laterals, 6 in. concrete paving 184,984 sq.ft. Turquoise and other streets, to Watson & Sutton, Box 396, $54,491. Noted Nov. 15.

Calif., San Diego—San Diego Co., to Miracle Constr. Co., 4751 Monroe St., improving Reo Dr., A. & I. Impvt. Dist. 26, 65,750 cu.yd. excav. at $0.46 per cu.yd., 399,250 sq.ft. concrete paving $0.1775, 1,950 lin.ft. concrete curbing $0.60, 230 lin.ft. concrete guttering $0.70 etc.

Ont., Oshawa—Concrete curbing, guttering, asphalt on concrete paving 18,000 sq. yd. 3 avenues and 5 streets, to Standard Paving Co., Central Chambers, Ottawa. Est. $60,000.

Ont., Toronto—To T. Shenton, 341 Keele St., grading Lawrence Ave., $14,266—to owner by day labor asphalt paving Burnside Dr. $4,801; concrete paving Lane at Palmerston Ave. $1,418; grading Lorindale Ave. $1,229; concrete sidewalks on Leith Pl., Braeman and Lorindale Aves. at $1.60 per lin.ft. — to T. E. Lane, 37 Yorkville Ave., concrete sidewalks on Avenue Rd., Bingham Ave. and Chaplin Crescent at $0.15 to $0.18 per sq.ft. Est. $30,000.

Ont., Toronto — York Twp., asphalt paving Briar Hill Ave., to Constructing & Paving Co., Confederation Life Bldg., $17,749; 5 avenues, to Kilmer & Barber, 10 Adelaide St. E., $22,775. Grand total $40,524.

Public Bond Elections

Coming Bond Elections

Waterworks Extensions, etc. — Forrest, Miss., $60,000.
Water Reservoir—Cushing, Okla., Nov. 27, $24,000.
Waterworks Distribution System—Harrisonville, Mo., December, $100,000.
Waterworks—Follett, Tex., Jan. 15, $35,000.
Waterworks Rebuilding — Toledo, Wash., December, $25,000.
Sewerage System Extension—Lake Charles, La., $400,000.
High Schools — Moberly, Mo., February, $500,000.

Bonds Voted

Waterworks, Filtration, Pumping Station, etc.—Cedar Rapids, Ia., $640,000. Alvord, Burdick & Howson, Chicago, Ill., Consult. Engrs.
Waterworks—Uvalde, Tex., purchase present waterworks and improvements $200,000.
Sewer Extensions—San Francisco, Calif. City and County, $2,200,000.
Bridges—Toledo, O., $3,000,000. T. L. Owen, Engr.
Flood Control—Salina, Kan., $250,000.
Airport Enlargement — Detroit, Mich., $5,000,000.
Airport—Wichita, Kan., $46,000.
Airport—Omaha, Neb., $250,000.
Airport—Pierce County, Wash., $300,000.
Highway System—Monterey County, Calif., $2,000,00
High School — Canal Winchester, C., $150,000.
High School—Topeka, Kan., $1,000,000.
Schools—Brecksville, O., $319,000.
Schools—Maple Heights, O., $400,000.
Schools—Toledo, O., $5,000,000.
Hospital—Toledo, O., $950,000.
County Hospital—Omaha, Neb., $750,000.
Tuberculosis Preventorium, etc.—San Francisco, Calif., City and County, $3,500,000.
Court House—Minot, N. D., $450,000. Toltz, King & Day, St. Paul, Minn., Archts.
Grade Crossing Elimination — Cincinnati, O., $1,000,000.
Playgrounds—Cincinnati, O., $500,000.
Park Improvements, etc.—Clinton, Ia., Bd. Park Comrs., E. F. Mayer, Secy., $171,800.
Grain Elevator—Tacoma, Wash., $500,000.
State Parks—California, $6,000,000.
Fire Alarm System — Glendale, Calif., $200,000.

Bonds Defeated

Waterworks and Sewers — Chicago City, Minn., $20,000.
Sewer Extensions — Lakefront, Cleveland, O., $750,000.
Bridge—Omaha, Neb., $800,000.
Airport—Fresno, Calif., $65,000.
Airport—San Jose, Calif., $400,000.
Airport — San Mateo County, Calif., $1,700,000.
School Headquarters Building—Cleveland, O., $2,000,000.
State Penal and Welfare Institutions — Pennsylvania, $50,000,000.
Hospital—Chillicothe, Mo., $200,000.
Court House and Jail — Olympia, Wash., $275,000.
Stadium—Cleveland Heights, O., $125,000.
Gas Main Extension—Newton, Ia., $40,000.
Civic Center—San Francisco, Calif., City and County, $1,000,000.
Grade Separation—California, $10,000,000.
Park Improvements—McLaren Park, San Francisco, Calif., City and County, $2,000,000.
Aquatic Park — San Francisco, Calif., $950,000.
Playgrounds—San Francisco, Calif., City and County, $3,100,000.
Tunnel, Broadway—San Francisco, Calif., City Portion, $750,000.

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Buildings—Industrial

Proposed Work

N. Y., New York—KRAFT MILL—International Paper Co., Park Ave. and 42nd St., 200 ton kraft mill in southern state. Location not decided.

N. Y., New York—FACTORY and LOFT—S. E. R. Realty Corp., c/o M. L. Greenberg, plans by H. Hurwit, 41 West 33rd St. 3 story, 25 x 100 ft., brick, steel, plain found., 457 West 46th St. $75,000.

N. Y., New York—MANUFACTURING—Farmers Loan & Trust Co., J. H. Perkins, pres., 22 William St., altering 5½ story office and residence into manufacturing and show room, 601 Madison Ave. $75,000. Block & Hesse, 18 East 41st St., New York, archt.

N. Y., New York — PRINTING PLANT and DISTRIBUTION CENTER — New York Evening Journal, c/o Huberth & Huberth, 2 Columbus Circle, sketches 2 story, printing plant and distributing center, 318-20 East 39th St. To exceed $40,000.

N. Y., Oswego — HYDRO-CHEMICAL PLANT — Oswego Industries Corp., 15 Broad St., plans by E. E. Whitney, East Bridge St., hydro-chemical plant. $700,000.

N. Y., Oswego — PLANT — Fitzgibbons Boiler Wks., A. G. Lockett, mgr., plans plant addition. $40,000. Engineer and architect not selected.

N. J., Nutley (br. Newark)—FACTORY—The Hoffman La Roche Co., 19 Cliff St., New York, sketches 2 story, basement, brick, steel, plain found., Kingsland Rd. $40,000.

N. J., Paterson—FACTORY—Ajax Battery Corp., c/o J. DeRose, archt., 119 Ellison St., 1 story, basement, 100 x 100 ft., brick, steel, plain found. ,Main and Turni Aves. separate contracts. $40,000.

N. J., South Amboy—POWER PLANT—Jersey Central Power & Light Co., 20 South St., Morristown (subsidiary National Light & Power Co., 57 William St., New York), sketches by Electric Planning & Eng. Corp., engrs. and archts., 57 Williams St., New York, 1 story, 160 x 160 ft., brick, steel, plain found., waterfront at Junction. $5,000,000.

Pa., Harrisburg—PRINTING PLANT—National Service Corp., M. L. Griswold, pres., 461 8th Ave., printing plant, Division St. at Pennsylvania R.R. tracks. To exceed $40,000.

Pa., Phila.—MACHINE SHOP—W. E. S. Dyer, engr., Land Title Bldg., soon lets contract 1 story, 69 x 241 ft., brick, steel, plain found., Clearfield and C Sts., for Thos. Halton & Son, Mascher and Oxford Sts.

Pa., Reading—HOSIERY MILL—Reading Maid Hosiery Mills, Reading, and 366 Bway., New York, hosiery mill. To exceed $40,000.

Ga., Atlanta — LAUNDRY and DRY CLEANING—Stoddard Dry Cleaning & Dyeing, Inc., 18 Fort St., 4 stories, one 2 story, basement, 200 x 296 ft., and 3 others, 25 x 100 ft., West Peach Tree, 3rd and Cypress Sts. Engineer and architect not selected.

Miss., Durant—COLD STORAGE PLANT—Lewis Grocery Co., M. Lewis, pres., sketches 2 story, brick, rein.-con. cold storage plant. $50,000.

Ky., Louisville—PRINTING PLANT—C. T. Dearing Co., 11th and Bway. Sts., 100 x 200 ft. addition.

O., Canton—FACTORY—Timkin Roller Bearing Co., 7026 Euclid Ave., Cleveland, 1 story, 18th and 19th Sts. $200,000. Private plans.

O., Cleveland — GARAGE — Fleischman Yeast Co., c/o J. Wilshire, pres., 419 Plum St., Cincinnati, 1 story work and storage garage, brick, steel, concrete. $60,000. Engineer and architect not selected.

O., Cleveland — MILL and OFFICE — Chase Brass & Copper Co., R. L. Coe, pres., 236 Grand St., Waterbury, Conn., 1 story, brick, steel mill and office building. $250,000. Private plans.

Mich., Detroit—AUTO BODY PLANT—Murray Corp. of America, 1424 Aberle St., plans by A. Kahn, 1000 Marquette Bldg., 1 story, 250 x 425 ft., and 6 story, 350 x 525 ft., rein.-con. brick, steel, plain found., Russel and Colby Sts.

Mich., Detroit—FACTORY—Gorham Tool Co., 2206 12th St., plans by Lane, Davenport & Peterson, 1017 Charlevoix Bldg., 1 story, 120 x 125 ft., brick, steel, plain found., 12th St. $50,000.

Mich., Northville — AIRPLANE FACTORY — Stinson Aircraft Corp., plans by F. J. Winter, 2112 Book Tower, Detroit, 1 story, 180 x 300 ft., rein.-con., brick, steel, plain found. $150,000.

Mich., Pontiac — HAMMER SHOP — American Forging & Socket Ct. plans by Wright & Nice, General Motors Bldg., Detroit, 1 and 2 story, 55 x 80 ft., and 100 x 125 ft., rein.-con., brick, steel, plain found., Branch St. $55,000.

Ill., Barrington—FACTORY—Jewell Tea Co., 5 North Wabash Ave., Chicago, sketches by Holabird & Root, 333 North Michigan Ave., 2 and 5 story, 100 x 400 ft., rein.-con., brick factory. $1,000,000.

Ill., Chicago — FACTORY — Stewart-Warner Speedometer Corp., 1828 Diversey Parkway, G. Warner, in charge, plans by L. B. Hallberg, 116 South Michigan Ave., 12 story, 1812 Diversey Rd. To exceed $300,000.

Ill., Mt. Vernon—MANUFACTURING—J. P. Devine Co., 1372 Clinton St., Buffalo, N. Y., and Mt. Vernon Chamber of Commerce, rein.-con., brick manufacturing plant. $600,000.

Ill., South Chicago (sta. Chicago) — MILL — Youngstown Steel & Tube Co., Youngstown, O., J. A. Campbell, pres., sketches additions, incl. 4 open hearth furnaces, 2 bar mills, providing 30,000 additional tons per month.

Ark., Rogers—MILL—Corona Silicia Co., Inc., c/o H. R. McKnight, pres., Tulsa, Okla., sketches mill, auxiliary buildings, 42 in. gauge railroad between mines and mill. Private plans.

Tex., Donna—COLD STORAGE PLANT—J. E. Morgan, San Juan, 2 story, 80 x 160 ft., brick, hollow tile, rein.-con., on Missouri Pacific Ry. right-of-way. $75,000. Private plans.

Tex., Harlingen — COLD STORAGE PLANT—Central Power & Light Co., c/o Frost Bldg., San Antonio, and c/o F. O. Ludden, valley branch mgr., San Benito, cold storage plant, probably use cork insulation. $50,000. Private plans.

Tex., Mission—SERVICE and SALES—Snyder Motor Co., Mission, 1 story, 100 x 100 ft., brick, concrete, hollow tile building. $45,000. Engineer and architect selected soon.

Tex., Orange—FERTILIZER PLANT—Davison-Pick Fertilizer, Inc., Whitney St., New Orleans, La., and c/o M. R. Morton, mgr., Orange, fertilizer plant on 18 acre site. $500,000 incl. machinery, equipment.

Tex., San Angelo—CREAMERY—Snowhite Creamery Co., 127-29 North Chadbourne St., plans by R. K. Hamberlin, 807 Builders Exch. Bldg., San Antonio, and H. I. Messick, 212 Ricker & Dodson Bldg., 1 and 2 story, 140 x 164 ft., brick, concrete, 2nd and Gillis Sts. $100,000. Noted Aug. 9.

Tex., San Antonio — GARMENT FACTORY—Basila Frock Co., 503 West Commerce St., plans by Phelps & DeWees, 718 Gunter Bldg., 2 story, rein.-con., brick, 12,000 sq.ft. floor space, incl. some machinery, equipment to be purchased.

Tex., San Antonio — MILK and ICE CREAM PLANT — Metzger Dairies, Inc., Dallas, and Amarillo, c/o C. Metzger, pres., milk and ice cream plant. $60,000, incl. equipment.

Okla., Altus—CREAMERY and BUTTER PLANT—Wilson & Co., J. F. Keller, mgr., U. S. Yards, Chicago, Ill., creamery and butter plant. $60,000. Private plans.

Calif., Oakland—BOILER SHOP—Boiler, Tank & Pipe Co., 4061 Hollis St., Piedmont, 1 story, steel, Russett St., $60,000. Private plans.

Calif., Oakland — DISTRIBUTING PLANT—Shell Oil Co., 200 Bush St., San Francisco, Class "A," rein.-con., foot of 29th Ave. $350,000. Private plans.

Calif., Pittsburg—ELECTRIC SUB-STATION—Pacific Gas & Electric Co., 445 Sutter St., 50 x 75 ft. steel, concrete sub-station, incl. 6 mi. double circuit high tension transmission line near Columbia Steel Plant. $250,000. Private plans.

Ont., Fort William — COKE and GAS PLANT — Natl. Utilities Corp., Winnipeg, gas and coke plant, $500,000; mains for distribution, $250,000.

Ont., Oshawa — STAMPING PLANT — General Motors of Canada, concrete, brick, steel addition, and brake testing plant. $90,000 incl. equipment. Private plans.

Ont., St. Catharines — DAIRY — Silverwoods Niagara Dairy, 68 King St., plans by F. F. Saunders, 116 Concord Ave., Toronto, 2 story, basement, 85 x 95 ft., rein.-con., brick, steel, plain found., Welland Ave. $65,000.

Ont., Toronto — SUBSTATION — Hydro-Electric Power Com. of Ontario, 190 University Ave., F. A. Gaby, ch. engr., 4,000 hp. concrete, brick, steel substation, incl. equipment, switches, meters, switchboards, transformers, buses, wire, cable, insulators, North Bonnington Ave. $75,000.

Ont., Toronto—LAUNDRY—New Method Laundry Ltd., 2 River St., concrete, brick, steel, College St. $125,000. Engineer and architect not selected.

Bids Desired

Mass., Franklin—MIXER and PICHER PLANT—H. T. Hayward Co., Union St., taking bids 1 story, 55 x 140 ft., brick, steel addition, plain found., Union St. C. T. Main, 201 Devonshire St., Boston, engr.

R. I., Pawtucket—SERVICE and REPAIR GARAGE—Balkcom-Brooks Co., 144 East Ave., taking bids 2 and 3 story, concrete, steel, plain found., East Ave. $50,000 or more. Private plans.

R. I., Providence—REPAIR SHOP—Nov. 26, by P. Buildings Dpt., City Hall, 1 and 2 story, 85 x 200 ft. repair shop, and 7 story, 20 x 20 ft. drill tower, Dexter and Whitmarsh Sts. $65,000. T. J. H. Pierce, City Hall, engr. Noted Nov. 15.

Conn., New Haven—GARAGE—Southern New England Telephone Co., 357 Chapel St., taking bids 1 story, 125 x 210 ft., brick, steel, concrete service garage, Liberty and Putnam Sts. $75,000. D. Orr, 856 Chapel St., archt. Noted Nov. 15.

N. Y., Brooklyn — GAS STATION and SERVICE GARAGE—E. Bender, 930 Fox St., New York, taking bids general contract 2 story, 89 x 125 ft., brick, concrete, East New York and St. Marks Aves. $40,000. C. Goodman, 375 Fulton St., archt.

N. Y., Brooklyn—SERVICE GARAGE—See "Contracts Awarded."

N. J., Long Branch—ICE PLANT—See "Contracts Awarded."

Pa., Pittsburgh—FACTORY—F. J. Kress Box Co., 2930 Liberty Ave., taking bids 1 and 2 story, 300 x 400 ft., brick, steel, 28th St. $450,000. Private plans.

Md., Baltimore — FACTORY—Lockwood Green & Co., archts., 400 North Michigan Ave., Chicago, Ill., bids about Dec. 1, 2 story, 140 x 180 ft., rein.-con., brick, for E. Katzinger & Co., 1949 North Cicero Ave., Chicago, Ill. $200,000.

O., Barberton—ICE PLANT—Henry Coal & Ice Co., c/o A. R. Henry, pres., 400 East Baird Ave., taking bids 2 story, 90 x 100 ft., brick, steel, concrete. $50,000. George B. Bright Co., 2615 East 12th St., Detroit, Mich., engrs. and archts. Noted Oct. 18.

O., Dayton — MANUFACTURING and OFFICE—Dec. 4, by Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 1 story, basement, 165 x 485 ft., brick, steel, plain found. for Leland Electric Co., 218 North St. Clair St.

O., Willoughby—ICE PLANT—City Ice & Fuel Co., E. C. Balzhizer, vice pres., 6611 Euclid Ave., taking bids 1 story, 100 x 100 ft., brick, steel, concrete plant. $100,000. C. C. Coneley, c/o owner, engr. Noted Nov. 8.

Mich., Detroit—FACTORY—Donaldson & Meier, archts., 1188 1st Natl. Bank Bldg., taking bids and open same about Dec. 3, 2 story, 86 x 120 ft., rein.-con., brick, steel addition, plain found., for Caille Bros., 2nd and Amsterdam Aves. $55,000.

Mich., Flint — ACETYLENE PLANT — See "Contracts Awarded."

Mo., St. Louis—SUB-STATION—Dec. 18, by Bd. P. Serv., City Hall, rein.-con. brick sub-station for electric street lighting Dist. F, for City. $30,000. J. Pritchard, 300 City Hall. dir.

Tex., El Paso—COPPER REFINERY—Phelps-Dodge Corp., c/o Chamber of Commerce, El Paso, and 99 John St., New York, taking bids on material, etc., for electrolytic copper refinery. Total $5,000,000. Noted June 14.

Ont., Toronto—MACHINE SHOP—See "Contracts Awarded."

Ont., Sandwich—BOILER HOUSE—See "Contracts Awarded."

Bids Received

O., Cleveland—FOUNDRY—Bd. Educ., F. G. Hogen, dir., 1 story, brick, steel, Eagle Ave., from Charles Paterson Constr. Co., 4500 Euclid Ave. $39,573. Noted Nov. 1.

Contracts Awarded

Mass., Dedham — SHOPS — New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., New Haven, Conn., 1 story, 100 x 150 ft. sand blasting and stripping shops, steel, plain founds., off Sprague St., to Truscon Steel Co., 260 Tremont St., Boston.

Mass., East Pepperell—FACTORY—Cornell Multi-Wall Valve Bag Co., c/o H. B. Larnam, treas., East Pepperell, 1 story, 100 x 160 ft., brick, steel, plain found., to H. L. Shattuck, Inc., 208 South St., Manchester N. H. Est. exceeds $40,000.

Mass., Somerville (br. Boston) — MILK PLANT—Ingersoll Bowditch, 111 Devonshire St., Boston, 1 story, brick, plain found., Somerville Ave., to Walsh Bros., 150 Hampshire St., Cambridge. Est. $50,000. N. E. Products Co., 43 Somerville Ave., lessee.

Conn., Hartford — RAMP GARAGE — Metropolitan Corp., 64 Pearl St., F. W. Arnold, pres., 3 story, basement, 70 x 140 ft., brick, steel, concrete, Ann St. $135,000. Owner builds. Berenson & Moses, 252 Asylum St., archts.

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Buildings—Industrial (Continued)

N. Y., Brooklyn—SERVICE GARAGE—A. P. M. Holding Corp., L. Moss, pres., 32 Court St., 2 story, 100 x 140 ft., brick, concrete, separate contracts. $75,000. B. W. Dorfman, 66 Court St., archt. Noted Nov. 1.

N. Y., Manhassett—GARAGE—Borden Farms, Inc., 110 Hudson St., New York, 1 and 2 story garage, shop, plain found., Myrtle St. and Hillside Ave., to H. D. Best Co., 419 4th Ave., New York. Est. exceeds $75,000.

N. Y., Syracuse — WAREHOUSE and TANKS — Sun Oil Co., Finance Bldg., Phila., Pa., warehouse and tanks, to A. W. Hoperman & Sons, 569 Lyell Ave., Lyell Ave., Rochester. Est. exceeds $150,000.

N. Y., White Plains—SERVICE GARAGE—A. W. Page, 76 Lexington Ave., 2 story service garage, Fisher and Lexington Aves., to D. Perlman, 1457 East 19th St., Brooklyn. Est. $80,000.

N. J., Asbury Park—REPAIRS and MACHINE SHOP—D. I. Weeden, 1001 Main St., general contract 1 story, basement, 100 x 150 ft., brick, steel, plain found., 4th Ave., to R. L. Savage & Sons, Inc., 101 Bangs Ave. Est. $40,000.

N. J., Eatontown — FACTORY — A. K. Dangler, general contract 2 story, basement, 75 x 100 ft., brick, steel, plain found., Neptune Ave. and Pearce St., to M. H. Dangler & Co., Branchport Ave., Long Branch. Est. $40,000.

N. J., Elizabeth — FACTORY — Berman Bros., 1141 East Jersey St., 2 story, basement, 60 x 100 ft., brick, steel, plain found., West Grand St. near Broad St., separate contracts. $40,000. W. Clifford, Jr., 1177 East Grand St., archt. Noted Nov. 1.

N. J., Hillside (sta. Elizabeth) — FACTORY—Lionel Corp., 605 South 21st St., Irvington, general contract 1 and 2 story, 390 x 622 ft., brick, steel, plain found., Sager Pl., to Austin Co., 120 Bway., New York. Est. $140,000. Noted Sept. 20.

N. J., Long Branch—ICE PLANT—Seaboard Ice Co., 2nd St. and Union Aves. 1 story, 100 x 100 ft., brick, tile, plain found., Hulick St., separate contracts. $40,000. M. Smith, 2 Lafayette St., New York, archt.

N. J., West New York — LAMP FACTORY—Lockwood Greene Engineers, Inc., archts. and engrs., 100 East 42nd St., New York, construction and plumbing contract, factory, to Auf-der-Heide Contg. Co., 443 16th St., West New York, for Brinkerhoff Electric Co., New York. Noted Nov. 1.

Pa., McKees Rocks—UPHOLSTERERS and AIR BRAKES SHOP—Pittsburgh & Lake Erie R.R. Co., A. R. Raymer, ch. engr., Pittsburgh, general contract 1 story, brick, steel, to Walker & Curley Co., Sharpsburg. Est. $40,000.

Pa., Phila. — DYE HOUSE — Franklin Process Co., Hope and Clearfield Sts., 2 story, 81 x 101 ft., rein.-con., brick, steel, plain found., to J. N. Gill Constr. Co., 121 North Broad St. Est. $40,000.

Pa., Phila. — SHOP — Railway Track Work Co., Clementine and Thompson Sts., 1 story, 55 x 100 ft., brick, steel, plain found., Tulip and Westmoreland Aves., to W. F. Chapman, Cliveden and Rydal Sts.

Pa., Reading—HOSIERY MILLS—Reading Full Fashioned Hosiery Mills, Inc., 536 North 3rd St., 3 story hosiery mill, 12th and Bern Sts., to C. H. Schlegel, 528 Washington St. Est. $100,000.

Md., Baltimore — MANUFACTURING—Crown Cork & Seal Co., 1511 Guilford Ave., 2 story, brick, steel addition, to Consolidated Eng. Co., 20 East Franklin St. Est. $300,000.

N. C., Albemarle — HOSIERY MILL — Wiscassett Mills Co., 4 story, 104 x 147 ft., rein.-con. unit, to Brown-Harry Co., Gastonia, $100,000. Total est. $1,000,000. Noted Oct. 25.

S. C., Spartanburg—FACTORY—Lockwood Greene Engineers, Inc., engrs., Spartanburg, 2 story, basement, concrete, to Fiske-Carter Constr. Co., Spartanburg, for Stewart Bros. Paint Co., Inc., Alliance, O. Noted Nov. 15.

Ala., Gadsden—BRAID MILL—Alabama Braid Corp., Gadsden, 1 story, 150 x 326 ft., rein.-con., to Smallman Constr. Co., 1109 5th Ave., Birmingham, $750,000.

Ala., Talladega — TEXTILE MILL — Bemis Bros. Bag Co., 601 South 4th St., St. Louis, Mo., 2 story, 150 x 643 ft. main building, 2 story, 146 x 664 ft. weave shed, 1 story, 83 x 182 ft. picker building, 2 story, 28 x 70 ft. dye house, 1 story, 49 x 49 ft. boiler house, 1 story, 100 x 800 ft. warehouse and waste house, 500,000 gal. concrete reservoir, to Fiske-Carter Constr. Co., Greenville, S. C., $750,000. Noted June 21.

Miss., West Point—PACKING PLANT—Swift & Co., U. S. Yards, Chicago, Ill., 3 story, 90 x 140 ft. main building, incl. loading docks, to Smallman Constr. Co., 1109 5th Ave., Birmingham, Ala., $200,000.

O., Cleveland—FACTORY—J. C. Heintz, 3738 West 143rd St., 1 story, 80 x 156 ft., brick addition, 3738 West 143rd St., to Bolton-Pratt Constr. Co., 7113 Euclid Ave., $60,000.

O., Toledo — INDUSTRIAL — Industrial Steel Casting Co., Millagd Ave., 1 story, 140 x 180 ft., steel addition, plain found., to Comte-Naumann Co., 912 Summit Ave., $200,000.

O., Wooster—PLANT—McIntosh Hemphill Co., Oliver Bldg., Pittsburgh, Pa., 1 story, brick, steel addition, to Hughes Foulkrod, 7th Ave., Pittsburgh, Pa. Est. $250,000. Private plans. Noted Nov. 8.

Ind., Indianapolis—FACTORY—J. D. Adams, 217 South Bermond St., general contract 1 story, 108 x 175 ft., brick, steel, to Hall Constr. Co., 406 Bd. of Trade Bldg. Est. $45,000.

Mich., Detroit — ELECTRICAL APPLIANCE FACTORY — Square D Co., 6060 Rivard St., 3 story, rein.-con., brick factory, plain found., Russell St., to W. E. Wood Co., 1805 Ford Bldg. Est. $100,000.

Mich., Flint — ACETYLENE PLANT — Air Reduction Sales Co., 342 Madison Ave., New York, 1 story plant, day labor. $40,000. Private plans.

Mich., Pontiac—MACHINE SHOP—Machine Specialty Co., Main St., 2 story, basement, 36 x 100 ft., rein.-con., brick, steel, plain found., Main St., to Austin Co., General Motors Bldg., Detroit. Est. $40,000.

Ill., Chicago—SERVICE STATION and SALES—S. B. Harrison, 5701 Bway. Ave., masonry contract 2 story, 75 x 108 ft., brick, 6100-06 Western Ave. N., to H. C. Jensen, 6101 Forest Glenn Ave.; carpentry, to A. Anderson, 2301 North Keating Ave. Est. $75,000.

Wis., Milwaukee — DISTRIBUTING PLANT—Wisconsin Creameries, Inc., 342 6th St., masonry and concrete contract 3 story, basement, 105 x 152 ft., 8th St., to E. Steigerwald & Sons Co., 5310 State St.

Wyo., Sunrise—PILOT MILL—Colorado Fuel & Iron Co., W. A. Maxwell, production mgr., Pueblo, Colo., iron ore treating and concentrating plant. $100,000. Owner builds.

Mont., Great Falls — PLANT — International Harvester Co. of America. W. D. Price, supt. construction, 606 South Michigan Ave., Chicago, Ill., general contract 3 story, basement, 127 x 335 ft., brick, concrete found., to Lease & Leigland, Great Falls, $120,045. Est. $150,000. Noted Nov. 8.

Mo., North Kansas City — LACQUER PLANT — Cook Paint & Varnish Co., 3 story, basement, 60 x 113 ft., rein.-con., brick, steel lacquer plant, to Collins Constr. Co., Davidson Bldg., Kansas City. Est. $50,000.

Colo., Pueblo—PILOT MILL—Colorado Fuel & Iron Co., W. A. Maxwell, production mgr., plant for treating and cencentrating iron ore. Est. $100,000. Owner builds.

Calif., Berkeley — FACTORY — Neilson Steel Aircraft Corp., 2nd and Camella Sts., (1st unit) Class "A," to A. Kirby, 2315 24th St., $15,000.

Calif., Piru — PACKING PLANT — Piru Citrus Assn., 1 story, basement, 100 x 100 ft., rein.-con., packing plant, to A. V. Perkinson, Inc., 3977 South Vermont Ave., Los Angeles, $33,000. Noted Oct. 25.

Ont., Hamilton—FACTORY—N. Slater Co., Sydney St., general contract 2 story, basement, 100 x 160 ft., concrete, brick, steel addition, to Mitchell & Riddell, 46 Head St.; excavation, to A. Cope & Sons, 19 Albert St. Est. $100,000.

Ont., Hamilton — PLANT — Steel Co. of Canada, Ltd., Harvey Lane, general contract 1 and 2 story, concrete, brick, steel, by day labor; sub-contracts, structural steel, to Hamilton Bridge Wks. Ltd., Bay St. N.; electric steel cranes, to Dominion Bridge Co. Ltd., Reford Bldg., Toronto, blast furnace piping, to Toronto Iron Wks., foot Cherry St., Toronto, and Sawyer Massey Co., Wellington St. N.; piling for blast furnaces, to Raymond Concrete Pile Co., New Birks Bldg., Montreal, Que. Est. $7,000,000.

Ont., Mount Dennis—FACTORY—Firstbrook Boxes Ltd., 283 King St. E., Toronto, general contract 2 story, basement, 100 x 320 ft. factory, 46 x 71 ft. power house, 1 story, 100 x 380 ft. warehouse, concrete, rein.-con., to J. A. Wickett Ltd., 16 Saulter St., Toronto; plumbing, heating and sprinklers, to Robt. Long & Son, 243 Church St.; steel, to Reed & Brown, 63 Esplanade St. E., Toronto; excavation, to Lloni & Co., 1411 Dufferin St., Toronto. Est. $350,000. Noted Aug. 23.

Ont., New Toronto — FACTORY and OFFICE — Ritchie Cut Stone Co., 191 Grant St., Hamilton, general contract 1 story, 24 x 245 ft. factory, 1 story, basement, 40 x 80 ft. office, rein.-con., brick, steel, stone, plain found., to Mitchell & Riddell, 46 Head St., Hamilton; steel, to Hamilton Bridge Wks. Ltd., Bay St. N., Hamilton; carpentry, to W. A. Haycock, 19 Burris Ave., Hamilton. Est. $200,000.

Ont., Sandwich — BOILER HOUSE — Canadian Salt Co. Ltd., Sandwich St. W., 1 story, basement, 72 x 80 ft., rein.-con., brick, steel, day labor. $75,000.

Ont., St. Catharines — DAIRY — Silverwoods Niagara Dairy, general contract concrete, brick, steel, to T. F. Jones & Co., 167 Church St.; structural steel, to Standard Steel Constr. Co., Welland; tile, to Kent Tile & Marble Co., 20 Catharine St. N., Hamilton; reinforcing steel, to Trussed Concrete Steel Co., Federal Bldg., Toronto. Est. $60,000. Noted Nov. 15.

Ont., Toronto — FACTORY — Sangamo Electric Co., 183 George St., 2 story, basement, 40 x 110 ft., rein.-con., brick, steel, stone addition, plain found., George St., to R. G. Kirby 539 Yonge St. Est. $60,000.

Ont., Toronto—MACHINE SHOP—Godson Contg. Co., 203 Richmond St. W., 1 story, 34 x 125 ft., concrete block, brick, steel, day labor. $40,000.

Ont., Weston—FACTORY—Arco Co. Ltd., 16 Liberty St., Toronto, 4 story, basement, 50 x 70 ft., rein.-con., brick, steel, plain found., to Wells & Gray, Confederation Life Bldg. Est. $150,000. Noted July 5.

B. C., Port Mellon—PULP and LUMBER MILL — Vancouver Kraft Co. Ltd., Cregonian Bldg., Portland, Ore., foundation for timber wharf and mill, to Vancouver Pile Driving & Contg. Co., 207 Hasting St. W., Vancouver, $70,000. Total $2,000,000.

Buildings—Commercial

Proposed Work

Conn., Darien — THEATRE, BUSINESS and APARTMENT—E. H. Delafield, et al, Bell Ave.; brick, steel, Post Rd. $200,000 or more. Engineer and architect not selected.

N. Y., Brooklyn—COURT HOUSE—J. J. Byrne, pres. Brooklyn Boro, Boro Hall, bids latter part December, court house, Pennsylvania and Liberty Aves. $300,000. M. D. Metcalfe, 1310 Bedford Ave., archt.

N. Y., Brooklyn — HOSPITAL — Kingsway Hospital Constructors, Inc., 50 Court St., additional hospital units, incl. mechanical refrigerating plant, Kings Highway, Avenue O, and East 26th St. $1,000,000.

N. Y., Brooklyn — HOTEL — Hanson-Ellicott Place Corp., 65 Court St., plans by M. Klein, 65 Court St., 12 story, brick, steel, Hanson and Ellicott Pls. $700,000.

N. Y., Brooklyn—OFFICE—Corporation, c/o Shampan & Shampan, archts., 188 Montague St., sketches 6 story, on 75 x 100 ft. site, Court and Pacific Sts. $250,000.

N. Y., Flushing — OFFICE — Flushing Terminal Building Co., c/o W. W. Knowles, archt., Bridge Plaza, Long Island City, soon lets contract 4 story, 90 x 330 ft. office, Amity and Union Sts. $2,000,000. Noted Apr. 5.

N. Y., New York—APARTMENT—Corporation, c/o B. P. Cerussi, 655 East Fordham Rd., plans by A. F. Plueppelberg, 375 East Fordham Rd., 6 story, 62 x 100 ft., brick, timber, 36 Bogardus Pl. $150,000.

N. Y., New York—APARTMENT—Corporation, c/o F. B. Huffman, 14 East 47th St., plans by L. A. Goldstone, 420 Lexington Ave., 13 story, brick, steel, 4-10 East 72nd St.

N. Y., New York—APARTMENT—Four Hundred Twenty-Five East 86th Street Corp., J. Silverman, pres., 1457 Bway., plans by Sugarman & Berger, 345 Madison Ave., 16 story, 80 x 99 ft., brick, steel, plain found., 429 East 86th St. $800,000.

N. Y., New York — APARTMENT — J. Garry, 70 5th Ave., soon takes bids separate contracts 16 story, brick, steel, on 68 x 125 ft. site, 51 5th Ave. $1,000,000. T. W. Lamb, 644 8th Ave., archt.

N. Y., New York—APARTMENT—Three Hundred Sixty Amsterdam Avenue Corp., H. A. Hyman, pres., plans by E. Roth, 1440 Bway., 16 story, 100 x 102 ft., brick, steel, plain found., 360 Amsterdam Ave. $600,000.

N. Y., Port Chester—HOTEL—Corporation, c/o Development Service Corp., 369 Lexington Ave., New York, plans by Thomas, Martin & Kirkpatrick, 220 South 16th St., Phila., Pa., 8 story, brick, steel hotel. $650,000.

N. Y., Utica—ARMORY—Adjutant General, State of New York, 100 State St., Albany, bids in December, 2 story armory, Parkway and Douglas Dr. $200,000. C. H. Caldwell, 101 Park Ave., New York, archts. Gunvald Aus Co., 244 Park Ave., New York, engrs. Noted Aug. 9.

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Buildings—Commercial (Continued)

N. J., Asbury Park—APARTMENT—F. M. Kelly, c/o E. H. Schmeider, archt., 1109 3rd Ave., Spring Lake, sketches 10 story, basement, brick, steel addition, plain found., 8th Ave. and Deal Lake Dr. $500,000.

N. J., Asbury Park—HOTEL—M. Warren, 220 1st Ave., rebuilding brick, steel, plain found., recently destroyed by fire. $200,000. Engineer and architect not selected.

N. J., Asbury Park — OFFICE — Monmouth Title Mortgage & Guaranty Co., 416 Main St., sketches by P. Freshman, 50 Court St., Brooklyn, N. Y., 15 story, brick, steel, plain found., Main St. $750,000.

N. J., Avon by-the-Sea — HOTEL — S. Cowen, Intervale Ave. and 169th St., sketches 5 story, basement, brick, steel, plain found., $150,000.

N. J., Belmar — HOTEL — Traub Bros., 1303 E St., sketches altering and constructing 4 story, basement, 100 x 100 ft., brick, steel addition, plain found., 107 4th Ave. $150,000. E. F. Hauser, 11 Clinton St., Newark, archt.

N. J., East Orange — APARTMENT — I. Rekoon, c/o M. Fischer, archt., 564 Main St., sketches 4 story, basement, brick, steel, plain found., 4th Ave. and North Parkway. $200,000.

N. J., East Orange — APARTMENT — Krieger & Krieger, Inc., c/o E. V. Warren, archt., 31 Clinton St., Newark, sketches 4 story, basement, brick, steel plain found., North Arlington Ave. $150,000.

N. J., Harrison (br. Newark)—TOWN HALL—Bd. Town Council, receiving competitive sketches 3 story, basement, brick, steel, plain found. $375,000 bonds voted for same. Engineer and architect not selected. Noted Sept. 6.

N. J., Irvington (br. Newark)—APARTMENT—R. Krasny, 52 Hedden Terrace, Newark, plans by Kasoff & Flatt, 164 Market St., Newark, 4 story, basement, brick, steel, plain found., 97-103 Ball St. $155,000.

N. J., Jersey City—APARTMENT—Gorlin Constr. Co., Tube Concourse Bldg., sketches 7 story, basement, brick, steel, plain found., Fulton Ave. and Sterling St. $150,000.

N. J., Jersey City—GARAGE—Burstyn Heftler, 404 38th St., Union City, revised plans by C. Shilowitz, 26 Journal Sq., 15 story, basement, brick, steel, plain found., Academy St. and Bergen Ave. $1,000,000. Noted Nov. 8.

N. J., Long Branch — APARTMENT — Owner, c/o M. E. Weiner, archt., 790 Broad St., Newark, 5 story, basement, 75 x 100 ft., brick, steel, plain found., Hampton and Washington Sts. $200,000. Noted Nov. 1.

N. J., Newark,—APARTMENT—A. Weinberg, 20 Sharon Ave., Irvington, sketches by E. Hauser, 11 Clinton St., 4 story, basement, brick, steel, plain found., 142 West Kinney St. $150,000.

N. J., Newark — ARMORY — Comr. Institutions & Agencies, State Office Bldg., Trenton, revised plans by M. N. Shoemaker, 15 Central Ave., altering and constructing 4 story, basement, 100 x 232 ft., brick, steel addition, plain found., Roseville Ave. $150,000. Bids to have been taken Nov. 16 recalled. Noted Nov. 15.

N. J., Newark — GARAGE — J. Weisberger, 55 Shanley Ave., 2 story, basement, 100 x 150 ft., brick, steel, plain found., 233-47 Park Ave. $150,000. Private plans.

N. J., North Arlington (mail Arlington) —APARTMENT—Jersey Capitol, Inc., c/o P. Singer, archt., 60 Park Pl., Newark, sketches 3 story, basement, brick, steel, plain found., Belleville Turnpike and Prospect St. $150,000.

N. J., Point Pleasant — BANK — Owner, c/o H. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, sketches 1 story, basement, brick, steel, plain found. $150,000.

N. J., Teaneck (br. Hackensack) — APARTMENT—Acme Eng. Corp., c/o C. I. Goldberg, archt., 437 Bway., Bayonne, sketches 4 story, basement, brick, steel, plain found., Linden Ave. and Short St. $150,000.

N. J., Tuckerton—CASINO—Enterprise Development Co., c/o E. H. Schmieder, archt., 1109 3rd Ave., Spring Lake, sketches 2 story basement, brick, steel, plain found. $150,000.

N. J., West Orange—HOTEL and CLUB —Owner, c/o S. Singer & A. Brach, archts., 60 Park Pl., Newark, 4 story, basement, brick, steel, plain found. $150,000. Noted Oct. 25.

Va., Richmond — JAIL — City Council enlarging jail. $300,000.

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Fla., Jacksonville—WAREHOUSE—Mark & Sheftall, archts., 309 Clark Bldg., bids latter part December, 3 story, 105 x 157 ft., rein.-con., brick, for Firestone Rubber Co., c/o W. C. Harris, mgr., Union Terminal Warehouse. $200,000. Firestone Rubbe Co., South Main St., Akron, O., engrs. Noted Nov. 1.

La., Shreveport—STORE—Booth Furniture Co., 610 Texas St., plans by Jones, Roessle, Olschner & Weiner, Ardis Bldg., 4 or 5 story, brick, rein.-con., Texas St. $400,000.

O., Akron—APARTMENT—J. Sap, 471 Greenwood Ave., Cleveland, plans by M. Weis, Union Bldg., Cleveland, 3 story, basement, 53 x 128 ft., brick apartment. $140,000.

O., Cleveland — APARTMENT — S. Adams (real estate), 13514 Larchmere Rd., plans by M. Altschuld, 241 Euclid Ave., 3 story, basement, 40 x 120 ft., brick, 1884 Marloes Ave. $150,000.

O., Cleveland—AUCTION MART—Nickel Plate Development Co., Terminal Tower, plans by W. Watson & Associates, archts. and engrs., 4614 Prospect Ave., 2 story, 110 x 460 ft., brick, rein.-con., East 37th St. $400,000.

O., Cleveland — HOSPITAL — City, c/o D. S. Blossom, dir. Dpt. P. Welfare, City Hall, sketches by A. Garfield, Natl. City Bldg., hospital addition for psychopathic and chronic patients $1,430,000, 3 story nurses home $303,000, staff dormitory $203,000, Scranton Rd. $2,425,000 bonds voted. Noted Nov. 15.

O., Cleveland—TUBERCULOSIS SANITARIUM—City, D. S. Blossom, dir. Dpt. P. Welfare, sketches by A. Garfield, Natl. City Bldg., hospital addition $332,000, nurses and doctors building $130,000, both 3 story, Warrensville Farm.

O., Toledo — STORE — D. Israel, 625 6th Ave., New York, plans by J. F. Warner, 1036 Granite Bldg., 5 story, brick, 341 Summit Ave. To exceed $150,000.

Mich., Detroit — APARTMENT — R. M. Powell, 758 Longfellow Ave., plans by T. C. Hughes, 2615 Joy Rd., 4 story, basement, 53 x 115 ft., rein.-con., brick, plain found., Hanover Ave. $150,000.

Mich., Detroit — APARTMENT — P. R. Rossello (owner and archt.), 505 Cadillac Sq., 6 story, basement, 90 x 120 ft., rein.-con., brick, steel, plain found., Seminole Ave. $200,000.

Mich., Detroit — Natl. Y. W. C. A., 600 Lexington Ave., New York, Lucy Thurman Branch Y. W. C. A., incl. gymnasium, swimming pool, Farnsworth and Bush Sts. To exceed $150,000.

Mich., Flint — BANK and OFFICE — Union Trust & Savings Bank, Saginaw and East 1st St., 15 story, basement, rein.-con., brick, steel, stone, plain found., South Saginaw St. Smith, Hinchman & Grylls, 800 Marquette Bldg., engrs. and archts.

Mich., Jackson—THEATRE and OFFICE—W. S. Butterfield, 505 Insurance Exchange Bldg., Chicago, Ill., plans by J. Eberson, 212 Superior St., Chicago, Ill., 2 story, basement, 145 x 170 ft., rein.-con., brick, steel, stone, plain found., Michigan Ave. $500,000.

Ill., Aurora — THEATRE and STORE — Great States Theatre Corp., 162 State St., Chicago, plans by Rapp & Rapp, 190 North State St., Chicago, 3 story, brick, Main St. $500,000.

Ill., Chicago — APARTMENT, OFFICE and STORE — C. A. Berntson, 7707 Cornell Ave., plans by Lautz & Christensen, 806 West 79th St., 3 story, 125 x 147 ft., brick, terra cotta, 91st St. and Beverly Ave. $225,000.

Ill., Chicago—BANK and OFFICE—Chicago City Bank & Trust Co., plans by A. Epstein, 2001 West Pershing Rd., 4 story, basement, brick, stone, 63rd and Green Sts. $500,000.

Ill., Rockford—PUBLISHING PLANT—Rockford Daily Republican plans by Dickerson & Rhodes, Smythe Bldg., Cleveland, O., 1 story, concrete, brick, steel. $250,000.

Wis., Milwaukee — APARTMENT — P. Bennett, archt., 1126 North Ave., bids after Dec. 1, 4 story, basement, 73 x 129 ft., rein.-con. brick, plain found. 14th St.

Wis., Milwaukee — COURT HOUSE — Milwaukee Co., c/o W. E. McGrath, 4419 North Ave., plans by R. A. Ross, 1 Park Ave., New York, stone, brick, steel, Wells and 10th Sts. $6,000,000.

Wis., Milwaukee — GARAGE — S. B. White, c/o George Schley & Sons, archts., 425 East Water St., 2 story, 150 x 240 ft., rein.-con., brick, plain found., Michigan Ave.

Wis., Milwaukee—HOTEL—J. R. Treuber, 216 West Water St., plans by Dick & Bauer, 208 3rd St., 12 story, 100 x 150 ft., brick, steel, 2nd St. $2,000,000.

Wis., Milwaukee—National Bd. Y.W.C.A., 600 Lexington Ave., New York, bids in February, 5 story, brick, steel building, 183 Wisconsin Ave. $400,000. V. F. Smith, 214 Mason St., archt.

Kan., Hutchinson—OFFICE—Salt City Building & Loan Assn., C. C. Buchanan, secy., Hotel Stamey, probably take bids in spring, 8 story, basement, 97 x 165 ft., rein.-con., brick, stone. $400,000.

Mo., St. Louis—APARTMENT—Alco Investment Co., V. A. Chinberg, 808 Chestnut St., sketches by Nolte & Naumann, 614 Fullerton Bldg., 17 story, basement, 110 x 240 ft., rein.-con., brick, stone, terra cotta, Lindell Blvd. west of Euclid Ave. $2,000,000.

Mo., St. Louis — APARTMENT — Syndicate, c/o C. P. Heath, Real Estate Co., 818 Chestnut St., plans by T. P. Barnett Co., 1569 Arcade Bldg., 8 story, basement, roof garden, 200 x 231 ft., rein.-con., brick, Bedford stone, Pershing Ave. west of Taylor Ave. $800,000.

Ark., Little Rock—BANK and OFFICE —Simmons Natl. Bank, c/o L. L. Phillips, soon takes bids 11 story, basement, 80 x 120 ft., rein.-con., brick, steel, stone, 5th and Main Sts. $450,000. J. Stern, A. O. U. W. Bldg., archt.

Ark., Little Rock—BUS TERMINAL—Ike Kemper et al, sketches 3 story, basement, rein.-con., brick, stone, Capitol Ave. and Scott St. $150,000.

Tex., San Angelo—OFFICE—C. C. McBurnett, San Angelo, bids after Jan. 1, 6 story, basement, 50 x 100 ft., brick, rein.-con., plain found. $150,000. B. M. Morgan, c/o San Angelo Natl. Bank Bldg., archt.

Tex., San Antonio—HOSPITAL—Farmacia Urrutia Inc., c/o A. Urrutia, Houston and Laredo Sts., 6 story, part basement, brick, stone, rein.-con., plain found., Houston and Laredo Sts. $500,000. Private plans.

Okla., Tulsa — OFFICE — W. Phillips, Philtower Bldg., 10 story, basement, rein.-con., brick, plain found., Boston St. $250,000. Engineer and architect not selected.

Calif., Los Angeles—STORE and LOFT —H. G. Ferguson, 756 South Spring St., plans by Walker & Eisen, 1117 Western Pacific Bldg., 10 or 12 story ,rein.-con., on 125 x 485 ft. site Sunset Blvd. and Vine St. To exceed $150,000.

Calif., Pittsburg—HOTEL—S. Caruso plans by Coffman-Sahlberg & Stafford, Plazza Bldg., 4 story, basement, 100 x 140 ft., brick, steel, rein.-con., plain found. $150,000.

Calif., Redlands—HOTEL—Monte Vista Syndicate sketches by E. B. Rust, Black Bldg., and E. M. Frazier, 318 West 9th St., both Los Angeles, tile, stucco, Smiley Heights. $500,000.

Calif., San Francisco — OFFICE and STORE — Texas Oil Co., Pershing Sq. Bldg., Los Angeles, Class "A," Van Ness Ave., Geary, Post and Franklin Sts. $250,000. Total expenditure $3,000,000-$4,000,000. Engineer and Architect not selected.

Calif., San Pedro—HOTEL and RESORT —Los Angeles Hot Springs Co., M. D. Joseph, pres., 280 Leon St., Oakland, plans by H. Brelin, 2817 Regent St., Berkeley, hotel and resort on 60 acre site, at Point Firmen. $3,500,000.

Ont., Orillia—HOTEL—A. Miller, Lakeview Hotel, Sparrow Lake, plans by Wright & Noxon, 96 Bloor St. W., Toronto, 3 and 5 story, basement, rein.-con., brick, steel, stone, plain found., Front and Mississaga Sts. $300,000. Noted Dec. 29.

Ont., Toronto — APARTMENT — Atlas Finance & Development Co., 1126 Bay St., plans by N. A. Armstrong Co. Ltd., 7 King St. E., 15 story, basement, rein.-con., brick, steel, stone. $1,000,000.

Ont., Toronto—CLUB—Albany Club, 91 King St. W., plans by C. J. Gibson, Excelsior Life Bldg., 8 story, basement, concrete, brick, steel, stone, marble, tile, terrazzo, King St. $250,000.

Ont., Toronto — GARAGE — Puddicombe Motors Ltd., 1543 Bloor St. W., 4 story, rein.-con., brick, steel, stone, plain found., Bloor St. W. $200,000. Engineer and architect not selected.

Ont., Toronto—GARAGE and SALES—W. C. Warburton & Co., 670 Bloor St., 2 or 3 story, basement, concrete, brick addition, plain found. $150,000. Engineer and architect not selected.

Ont., Toronto—OFFICE—Bell Telephone Co. (head office), 118 Notre Dame St. W., Montreal, Que., rein.-con., brick, steel, tile, marble, terrazzo, stone, plain found., University Ave. and Armoury St. $1,000,000-$2,000,000. Engineer and architect not selected.

Buildings—Commercial (Continued)

Ont., Toronto — OFFICE — Canada Life Assurance Co., 46 King St. W., plans by Sproatt & Rolph, 1162 Bay St., concrete stone, brick, marble, tile, steel, University Ave. $1,000,000.

Ont., Toronto—OFFICE—Crown Life Insurance Co., 59 Yonge St., 16 to 20 story, basement, rein.-con., brick, steel, stone, plain found., Yonge St. $500,000. Engineer and architect not selected.

Ont., Toronto — STOCK EXCHANGE — Standard Stock & Mining Exchange, 15 Richmond St. W., plans by G. Moorehouse & King, 1123 Bay St., converting 3 story, basement, rein.-con., brick, steel building into stock exchange, plain found., Temperance and Bay Sts. $150,000.

Bids Desired

Mass., Boston — HOSPITAL — Coolidge, Shepley, Bulfinch & Abbott, archts., Ames Bldg., taking bids 11 story, basement, 45 x 190 ft., brick, steel hospital for people of moderate means, plain found., Fruit St., for Massachusetts General Hospital, Fruit St. $1,500,000. Noted Nov. 8.

Mass., Boston—STORE and OFFICE—Dec. 4 (extended date), by H. F. Winslow, 30 State St., and H. B. Alden, archt., 126 State St., 9 story, basement, brick, rein.-con., limestone, plain found., 137-141 Newbury St. $300,000. Noted Oct. 18.

Mass., Waltham (Ind. br. Boston) — THEATRE STORE and OFFICE—Owner, c/o Krokyn, Browne & Rosenstein, archts., 220 Devonshire St., Boston, bids about Dec. 1, 2 story, basement, 24,000 sq.ft. floor space, brick, stone, steel, plain found., 330 Moody St. $400,000. Noted Nov. 15.

Conn., Stamford—APARTMENT—L. Burrows, 420 Lexington Ave., New York, taking bids 4 story, basement, 58 x 90 ft., brick, steel. $155,000. S. Goldstone, 26 Court St., Brooklyn, N. Y., archt.

N. Y., Brooklyn — APARTMENT — See "Contracts Awarded."

N. Y., Brooklyn—HOSPITAL—Dec. 27, by Commissioner Dpt. Mental Hygiene, Capitol, Albany, additions to reception building, Brooklyn State Hospital.

N. Y., New York — APARTMENT — M. Courland, archt., 366 5th Ave., taking subbids 15 story, 94 x 102 ft., brick, steel, Central Park West for Corporation, c/o architect. $900,000.

N. Y., New York—GARAGE—Dwight P. Robinson Co., 125 East 46th St., taking bids on separate contracts 9 story garage, 205 East 64th St. $500,000. Private plans.

N. Y., New York—OFFICE—See "Contracts Awarded."

N. Y., North Tarrytown (Ind. br. Tarrytown) — APARTMENT — See "Contracts Awarded."

N. J., Asbury Park—CLUB—A. F. Cottrell, archt., 527 Bangs Ave., taking bids on revised plans general contract 4 story, basement, 50 x 110 ft., rein.-con., brick, steel, plain found., Atkins Ave. and Adams St., for Monmouth Lodge 122 and Pride of Asbury Temple 64, I. B. P. O. E. of World Colored Elks. $150,000. Former bids rejected. Noted June 28.

N. J., Asbury Park—HOTEL, THEATRE and STORE—L. I. Kaplan, archt., 615 West State St., Trenton, bids about Mar. 1, general contract 5 story, basement, brick, steel, rein.-con., plain found., Cookman Ave. and St. James Pl., for S. H. B. Land Co., S. B. Shanckman, pres., 17 Atterbury St., Trenton. $500,000. Noted Mar. 29.

N. J., Bayonne—CITY HALL—Bd. City Comrs., City Hall, bids about Dec. 1, 4 story, basement, brick, steel, plain found., Avenue C between 27th and 28th Sts. $1,000,000. P. A. Vivarttas, 110 48th St., Union City, archt. Noted Nov. 8.

N. J., Bradley Beach—APARTMENT—See "Contracts Awarded."

N. J., Clifton—APARTMENT—See "Contracts Awarded."

N. Y., Cornwall—HOSPITAL—Cornwall Hospital, A. J. Mapes, pres., Firthcliffe, bids about Jan. 1, 4 story hospital, Island View Park. $250,000. York & Sawyer, 100 East 42nd St., New York, archts. Noted Feb. 24, 1927.

N. J., Hackensack—CLUB—Dec. 4 (extended date), by J. R. Gordon, archt., 507 5th Ave., New York, 4 story, basement, 100 x 125 ft., brick, steel, plain found., Union and Parks Sts., for B.P.O.E., 177 State St. $200,000. Noted Oct. 25.

N. J., Jersey City — CLUB — P. O. Simeone & Co., Inc., 22 Journal Sq., bids about Dec. 1, 3 story, basement, 75 x 100 ft., brick, steel, plain found., 24 Liberty Ave., for Polish American Democratic Club, 22 Liberty Ave. Est. $150,000. Noted Nov. 15.

N. J., Jersey City—CLUB—A. L. Vigilante, archt., 42 Passaic Ave., Garfield, bids about Mar. 1, 3 story, basement, 50 x 100 ft., brick, steel, plain found., Greenville Ave. and Hudson Co. Blvd., for Victor Emanuel Lodge 396, Sons of Italy, G. Gafbro, chn., 1765 Hudson Blvd.

N. J., Jersey City—HOSPITAL—Dec. 13, by Bd. Freeholders Hudson Co., Court House, 8 story, basement, 105 x 180 ft., brick, steel, rein.-con., plain found., Clifton Pl. $2,000,000. C. H. Ziegler, 75 Montgomery St., archt. Noted Nov. 22.

N. J., Leonia (Ind. br. Hackensack) — APARTMENT—See "Contracts Awarded."

N. J., Linden — APARTMENT and STORE—See "Contracts Awarded."

N. J., Long Branch — APARTMENT — W. T. Thecker, archt., 2 3rd Ave., taking bids 3 story, basement, brick, steel, plain found., for Coast Realty & Constr. Co., Long Branch. $150,000. Noted Nov. 15.

N. J., Newark — APARTMENT — See "Contracts Awarded."

N. J., Newark—APARTMENT—N. Harris, archt., 20 Branford Pl., bids about Dec. 1, 8 story, basement, 70 x 125 ft., brick, steel, plain found., 345-53 Bloomfield Ave., for Stadium Realty & Investment Co., c/o architect. Noted Sept. 27.

N. J., Newark—GARAGE—F. Koenigsberger, archt., 48 Walnut St., bids about Dec. 1, general contract 3 story, basement, 50 x 200 ft., brick, rein.-con., plain found., for Owner, c/o architect. $150,000. Noted Oct. 4.

N. J., Orange — APARTMENT — A. P. Nucciarone, archt., 206 Central Ave., bids about Dec. 1, general contract 5 story, basement, 120 x 145 ft., brick, steel, plain found., 280 Central Ave., for H. C. Cassini, c/o architect. $200,000. Noted Nov. 1.

N. J., Paterson—OFFICE—H. Hurwit, archt., 41 West 33rd St., New York, taking bids separate contracts 4 story, basement, brick, steel, plain found., Church and Van Houten Sts., for M. J. Lane, 24 Church St. $150,000.

N. J., Plainfield—STORE—C. C. Bell, archt., 17 Union Ave., Cranford, taking bids general contract 2 story, basement, brick, steel, plain found., West Front St. between Central and Park Sts., for Montgomery Ward Co., 1000 South Monroe St., Baltimore, Md. $150,000. Noted Nov. 15, under "Contracts Awarded."

N. J., Redburn (mail Paterson)—APARTMENTS—See "Contracts Awarded."

N. J., Ventnor (br. Atlantic City) — APARTMENT — P. Schmidt, archt., Union Natl. Bank Bldg., Atlantic City, bids about Dec. 1, general contract 8 story, basement, 75 x 125 ft., brick, steel, plain found., Troy and Atlantic Aves., for C. Froeb, Jr., Atlantic City. $250,000.

Pa., Norristown — H. A. McMurtrie, archt., 1321 Arch St., Phila., taking bids 3 story building, Chester and DeKalb Sts., for Y.W.C.A., 600 Lexington Ave., New York. To exceed $150,000.

Fla., Stuart—COURT HOUSE—Dec. 4, by W. B. Tilton, chn. Bd. Comrs. Martin Co., 3 story, 62 x 100 ft., rein.-con, $150,000. B. D. Keck, P. O. Box 1157, archt. Noted Oct. 11.

Ky., Covington — HOTEL—See "Contracts Awarded."

O., Cleveland — APARTMENTS — Meyer Teplitz, 10003 Columbia Ave., taking bids two 4 story, basement, brick, Lake Ave. and West Blvd. $300,000. M. Weis, 617 Union Bldg., archt.

O., Cleveland—GARAGE—A. Sogg, archt., 3030 Euclid Ave., taking bids and open same about Nov. 23, 3 story, basement, 80 x 128 ft., brick, steel, rein.-con., Huron Rd., for Huron Fireproof Building Co., c/o architect. $150,000.

Ill., Chicago—BANK—Puckey & Jenkins, archts., 400 North Michigan Ave., taking bids 2 story, 50 x 125 ft., brick, stone, Cicero and Montana Aves., for West City Trust & Savings Bank, 2350 North Cicero Ave. $150,000.

Ill., Chicago — BOARD of TRADE and OFFICE — Dec. 1, by Holabird & Root, archts., 333 North Michigan Ave., 43 story, 174 x 225 ft., 133-145 West Jackson Blvd., for Chicago Board of Trade, Jackson Blvd. and La Salle Sts. $7,500,000.

Ill., Oak Park—OFFICE and STORE—R. J. Hotchkiss, archt., 115 North Oak Park Ave., bids about Dec. 15, 6 story, 70 x 70 ft., with 2 story tower, brick, steel, terra cotta, Lake St., for C. B. Scoville, c/o architect. $400,000.

Wis., Milwaukee—APARTMENT—V. Esser, archt., 82 East Wisconsin Ave., taking bids 5 story, basement, 50 x 117 ft., rein.-con., brick, plain found., Wisconsin Ave.

Wis., Milwaukee — MEN'S HOTEL — B. Uthus, ercht., 208 3rd St., taking bids 8 story, basement, 50 x 100 ft., rein.-con., brick, plain found., 13th St. Noted Nov. 15.

Kan., Topeka — APARTMENT — Virginian Arms Holding Co., c/o H. H. Guy, 320 West 1st St., Topeka, bids about Jan. 1, 10 story, basement, rein.-con., brick, stone, terra cotta, 10th and Topeka Aves. $750,000. Bowling & Shank, 1198 Arcade Bldg., St. Louis, Mo., archts. W. J. Knight & Co., 902 Wainright Bldg., St. Louis, Mo., engrs. Noted Nov. 1.

Tex., Georgetown — HOTEL — T. E. Smith bids about Dec. 1, 7 story, part basement, brick, steel, rein.-con., plain found. $150,000. J. G. Becker, 218 North Washington St., San Angelo, archt. Noted Aug. 23.

Tex., San Antonio—BANK—Dec. 3, by H. T. Phelps, archt., Hicks Bldg., 2 story (ultimately 12 story), basement, 68 x 86 ft., brick, stone, steel, rein.-con., plain found., Commerce and Navarro Sts., for Groos National Bank, c/o F. Groos, pres., Commerce and Navarro Sts. $200,000. Beretta-Stiles Co., Inc., 1203 Natl. Bank of Commerce Bldg., engrs. Noted Nov. 15.

Okla., Tulsa—APARTMENT—See "Contracts Awarded."

Colo., Pueblo—HOTEL—W. M. Whitsett & B. A. Shomaker, P. O. Box 111, taking bids (from selected list of contractors) 4 story, basement, 80 x 100 ft., brick, stone, steel, concrete, 9th and Main Sts. $200,000. W. DeMordaunt, 738 1st Natl. Bank Bldg., archt. Noted Oct. 25.

Bids Received

Mass., Mattapan (sta. Boston)—WARD—City of Boston, Hospital Dpt., 3 story, basement, brick, plain found., River St., from J. A. Singarella, Park Sq. Bldg., Boston, $143,240.

N. Y., Odgensburg — PAVILION — Commissioner Dpt. Mental Hygiene, Capitol, Albany, Nov. 14, general contract tuberculosis pavilion, for St. Lawrence State Hospital, from English Constr. Co., Inc., 15 West 91st St., New York. Proposal 1, $292,000; Proposal 2, $298,000. Noted Nov. 1.

O., Cincinnati — APARTMENT — J. S. Adkins, archt., 15 East 8th St., Sept. 13, 8 story, basement, rein.-con., brick, plain found., Hackberry St., from A. D. Gates Constr. Co., 1611 Chemical Bldg., St. Louis, Mo., for Riverview Apartments, Inc., 900 Neave Bldg. Est. $750,000. Noted Sept. 20.

Tex., New Braunfels — HOTEL — New Braunfels Hotel Co., Inc., c/o E. Fisher, chn. building com., general contract 4 story, part basement, 75 x 100 ft., L-shaped, rein.-con., brick, plain found., from W. Sipple, New Braunfels, $90,000. Noted Oct. 18. Heating system, from Braden-Hudson-Wangler Co. 305 East Commerce St., San Antonio.

Contracts Awarded

Mass., Cambridge (br. Boston) — APARTMENT—Porter Realty Trust, c/o Silverman & Brown, archts., 51 Cornhill, Boston, 4 story, basement, 80 x 80 ft., brick, plain found., 28-30 Langdon St., to L. Greenblatt, 20 Theodore St., Dorchester. Est. $150,000.

Mass., Roxbury (sta. Boston)—HEALTH UNIT—G. E. White Fund, G. E. Phelan, City Hall, Boston, 3 story, basement, brick, plain found., to J. Bowen Co., 184 Dudley St., $126,000. Noted June 7.

R. I., Narragansett Pier (P.O. Narragansett)—CLUB—Dunes Club, Inc., 2 story, irregular sized, rein.-con., timber, to O. D. Purington & Co., Industrial Trust Bldg., Providence. Est. $150,000. Noted Nov. 1.

Conn., Newtown—TOWN HALL—Town, Edmond Memorial Town Hall Com., 2 story, basement, 120 x 145 ft., brick, marble, granite, to H. Wales Lines Co., 134 State St., Meriden. Est. $250,000. Noted Aug. 30.

N. Y., Brooklyn—APARTMENT—Empire Development Corp., 620 Hopkinson Ave., brick, timber, separate contracts. $156,000. J. Henkin, 2127 East 1st St., archt. Noted Nov. 1.

N. Y., Brooklyn — APARTMENT — Harold-Mann Realty Corp., L. Halperin, pres., 26 Court St., 6 story, 165 x 250 ft., brick, timber, separate contracts. $650,000. Cohn Bros., 361 Stone Ave., archts. Noted Nov. 1.

N. Y., Brooklyn — APARTMENT — I. Solmonowitz, 119 Albemarle Rd., 6 story, 90 x 100 ft. apartment, Avenue K and East 12th St., separate contracts. $200,000. Cohn Bros., 361 Stone Ave., archt. Noted Nov. 1.

N. Y., Brooklyn — APARTMENT — Sterling Kay Co., Inc., H. J. Kay, pres., 26 Court St., 6 story, brick, timber, separate contracts. $475,000. Cohn Bros., 361 Stone Ave., archts. Noted Nov. 1.

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Buildings—Commercial (Continued)

N. Y., Brooklyn—THEATRE—P. S. Levy, 1975 83rd St., 100 x 140 ft. theatre, to M. Shapiro & Son, 1560 Bway., New York. Noted Feb. 23.

N. Y., New York—THEATRE—William Fox Theatres, 55th St. and 10th Ave., 2 story, brick, steel, 731 Lexington Ave., to W. Fried, 21 East 40th St. Est. $800,000.

N. Y., Niagara Falls—OFFICE—J. Johnson, archt., Ellicott Sq., Buffalo, general contract office building, to Amsterdam Building Co., 441 Lexington Ave., New York, for Niagara Falls United Office Co. Est. $608,000. Noted Oct. 18.

N. Y., North Tarrytown (Ind. br. Tarrytown)—APARTMENT—J. D. Rockefeller, Jr., 26 Bway., New York, 5 story, on 400 x 500 ft. site, separate contracts. $2,000,000. A. J. Thomas, archt., 2 West 46th St., New York, taking bids on above project. Noted July 5.

N. Y., Port Jefferson—HOSPITAL—Corporation, c/o Farmers Loan & Trust Co., R. B. Knox, 22 William St., New York, hospital, to Hegeman-Harris Co., 360 Madison Ave., New York. Est. $300,000. Noted Nov. 8.

N. Y., Poughkeepsie — INFIRMARY — Dpt. Mental Hygiene, Albany, general contract infirmary, 2 nurses homes and 2 staff buildings at Hudson River State Hospital, to A. E. Stephens, 1200 Main St., Springfield, Mass., $655,179; sanitary work, to C. H. Darnstandt, Inc., 352 West 43rd St., New York, $52,000; heating, to R. H. Baker Co., 101 Park Ave., New York, $44,537. Grand total $751,716. Noted Sept. 13. Electrical work, to T. H. Green Electric Co., Rochester, $21,442.

N. Y., Syracuse—HOSPITAL—Commissioner, Dpt. Metal Hygiene, Albany, general contract psychiatric hospital for Syracuse Psychiatric Institute, to W. F. Hendrich Co., 2771 East 53rd St., Cleveland, O., $222,000. Noted Nov. 8.

N. J., Bradley Beach—APARTMENT—J. C. Malone, 3rd Ave., Spring Lake, 3 story, basement, brick, steel, plain found., separate contracts. $150,000. E. H. Schmeider, 3rd Ave., Spring Lake, archt. Noted Nov. 15.

N. J., Clifton—APARTMENT—J. Visalli, 556 Van Houten St., Passaic, 3 story, basement, 90 x 100 ft., brick, steel, plain found., Union Ave. and Putnam Pl., separate contracts. $150,000. J. DeRose, 119 Ellison St., Paterson, archt. Noted Nov. 15.

N. J., Leonia (Ind. br. Hackensack) — APARTMENT — D. I. M. Constr. Co., R. DeConsoli, secy., 59 Bergenline Ave., Guttenberg, 4 story, basement, brick, steel, plain found., Christie St. and East Grand Ave. Separate contracts. $150,000. A. DePaola, 106 18th St., West New York, archt. Noted Nov. 8.

N. J., Linden — APARTMENT and STORE — T. DeLuca, 108 Washington Ave., Elizabeth, 3 story, basement, brick, steel, plain found., separate contracts. $150,000. J. B. Beatty, 15 North Reid St., Elizabeth, archt. Noted Nov. 15.

N. J., Mount Freedom — HOTEL — S. Tenzer, general contract altering and constructing 3 story, basement, brick, stone addition, plain found., to Raas & Son, Mt. Arlington. Est. $150,000.

N. J., Newark — APARTMENT — Schwartz & Cohen, 49 Goodwin Ave., 4 story, basement, 50 x 105 ft., brick, steel, plain found., 111 North 9th St., separate Contracts. $150,000.

N. J., Newark—SHOWROOM and OFFICE—M. J. Nadel, archt., 32 Hill St., general contract altering and constructing 3 story, basement, 60 x 80 ft. addition, to J. J. Polewka Co., 558 Grove St., Irvington, for Lawrence Motor Car Co., 390 Halsey St. Est. $155,000. Noted Oct. 4.

N. J., Orange—OFFICE and STORE—Main Day Corp., c/o E. H. Fougner, archt., 197 Market St., Newark, general contract 2 story, basement, 120 x 130 ft., brick, steel, plain found., Main and Day Sts., to J. B. Everett & Son, 155 Elm St. Est. $150,000. Noted Nov. 1.

N. J., Redburn (mail Paterson)—APARTMENTS—City Housing Corp., A. Bing, pres., 18 East 48th St., New York, 3 story, basement, brick, steel, stucco, separate contracts. $4,000,000. H. Wright, R. Kohn, F. Ackerman, and C. S. Stein, 56 West 45th Sts., New York, assoc. archts. Noted Aug. 2.

Pa., Phila.—APARTMENT—G. J. Shoemaker, 6044 Chestnut St., 4 story, basement, 70 x 215 ft., brick, steel, plain found., Tulpehocken and McCallum Sts., to Manor Building Corp., 121 West Tulpehocken St. Est. $340,000.

Pa., Phila.—PSYCOPATHIC—Dpt. Pub. Health, City Hall, general contract 5 story, basement, 116 x 295 ft., rein.-con., brick, steel, 34th and Pine Sts., to Kober Constr. Co., 1616 Thompson St., $697,000; plumbing, to W. M. Anderson, 600 Schuylkill Ave., $59,600; heating, to M. H. Paganhart Co., 213 Locust St., $69,840; electrical work, to W. P. Pangborne, 1927 West Montgomery St., $37,892. Grand total $864,332.

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Ky., Covington — HOTEL — Covington Hotel Co., J. A. Wakeman, pres., 8 story, basement, rein.-con., brick, terra cotta, separate contracts under supervision P. J. Bradshaw, archt., 718 Locust St., St. Louis, Mo. Owner taking sub-bids. $1,000,000.

O., Cleveland—GARAGE—Superior Holding Co., c/o Lee Krueger, pres., Fidelity Bldg., 2 story, 65 x 150 ft., brick, steel, 1291 East 101st St., to A. W. Pahner Co., 13723 St. Clair Ave. Est. $150,000. Young Furniture Co., 10403 Superior Ave., lessee.

O., Cleveland—STORAGE WAREHOUSE—Neal Fireproof Storage Co., C. J. Neal, pres., 7208 Euclid Ave., 4 story, basement, rein.-con., brick, Lorain Ave. and West 152nd St., to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Est. $150,000. Noted Oct. 18.

O., Toledo—APARTMENT and STORE—S. R. Harris, (owner, builder and archt.), Spitzer Bldg., 3 story, basement, 107 x 115 ft., brick, plain found., Sylvania Ave., $250,000.

Ind., Peru — HOSPITAL — Miami Co. Hospital, general contract Aaron Dukes Hospital, brick, steel, to L. E. Wickersham, Logansport. Est. $150,000. Noted Sept. 27.

Mich., Detroit—COMMERCIAL—A. R. Cunningham, 1065 Woodward Ave., 6 story, basement, 75 x 100 ft., rein.-con., brick, steel, stone, plain found. State St., to Otto Misch Co. 159 East Columbia St.

Mich., Detroit — COMMUNITY — C. E. Brewer, comr. Dpt. Recreation, 504 Elmwood Ave., 2 story, basement, 95 x 185 ft., rein.-con., brick, steel, stone, plain found., to Bambrook-Gowan Co., 4829 Woodward Ave., $241,500. Noted Nov. 15.

Mich., Flint—AUDITORIUM—Industrial Mutual Assn., Industrial Bank Bldg., 2 story, part basement, concrete, brick, steel, stone, 7,000 seating capacity, plain found., to Ralph Sollitt, South Bend, Ind. Est. $500,000. Noted Nov. 4.

Mich., Port Huron — EXCHANGE and OFFICE — Michigan Bell Telephone Co., Cass Ave., Detroit, 3 story, basement, rein.-con., brick, steel, plain found., 6th St., to H. H. Esselstyn Constr. Co., Hoffman Bldg., Detroit. Est. $200,000. Noted Oct. 18.

Ill., Chicago — APARTMENT — Jillson & Pierce, archts., 35 East Wacker Dr., general contract 6 story, basement, 50 x 135 ft., to Mutual Constr. Co., 2532 Warren Ave., for Fourteen Hundred Twelve Chase Avenue Building Corp., c/o architects. Est. $350,000. Noted Sept. 27.

Ill., Chicago—APARTMENT—Lowenberg & Lowenberg, archts., 111 West Monroe St., masonry and carpentry contract 13 story, basement, 70 x 150 ft., rein.-con., brick, plain found., to Shellberg Constr. Co., 6712 North Clark St., for H. L. Soloman, 134 North La Salle St. Est. $850,000. Noted Oct. 17.

Ill., Chicago — APARTMENT—Rissman & Hirschfeld, archts., 228 North La Salle St., masonry contract 7 and 8 story, 50 x 130 ft., brick, to H. Janisch & Co., 1813 Winona St.; plumbing, to Noble & Thumn, 1065 Addison St., for Hamlin Jackson Building Corp. Est. $350,000. Noted Nov. 18.

Ill., Chicago — APARTMENT — Walin, Greenberg & Levinson, (owner and general contractors), 155 North Clark St., taking bids 3 story, basement, brick, stone on 100 x 230 ft. site, 5240 Drexel Ave. $250,000. M. L. Bein, 64 West Randolph St., archt.

Ill., Chicago — HOTEL — Fox & Fox, archts., 38 South Dearborn St., masonry contract 3 story, English basement, 100 x 193 ft., brick, stone, 937 Montrose Ave., to J. Traff, 3735 North Clark St.; plumbing, to T. J. O'Malley, 308 North Oak St., for S. M. Earling, 1106 Leland Ave. Est. $700,000. Noted Oct. 25.

Ill., Chicago—STORE and APARTMENT—V. C. Carlson, 636 Church St., Evanston, general contract 5 story, basement, 125 x 125 ft., rein.-con., brick, 6749 North Clark St., to V. C. C. Constr. Co., Evanston. Est. $225,000.

Ill., Evanston—HOSPITAL—H. J. Gaul, archt., 228 East Superior St., Chicago, masonry and carpentry contract 4 story, basement, 50 x 250 ft., brick, steel, hollow tile, to C. J. Rose & Son, 1814 Mohawk St., for St. Francis Hospital, 355 Ridge Ave. Est. $500,000. Noted Oct. 18.

Wis., Milwaukee — APARTMENT—Marcus Realty Co., 1369 31st St., carpentry and roofing, 3 story, basement, 84 x 116 ft., brick, plain found., to B. Mendelson, 951 52nd St.; masonry, to W. W. Koch, 1111 2nd St.; concrete, to Bretz Constr. C 1125 3rd St. Noted Sept. 20.

Minn., Minneapolis—CLUB HOUSE—Cahoun Beach Holding Co., S. G. Collins pres., 203 Lincoln Bank Bldg., general contract 8 story, basement, 127 x 231 f rein.-con., brick, terra cotta, Dean Blvd and West Lake St., to J. A. Holpuch Co. 111 West Washington St., Chicago, Ill. Est. $1,000,000. Noted Sept. 13 under "Contracts Awarded."

S. D., Sioux Falls—HOSPITAL—Sioux Valley Hospital Assn., general contract 8 story, basement, 42 x 200 ft., rein.-con. brick, stone, to Henry Carlson Constr. Co. Sioux Falls. Est. $250,000. Noted Oct. 25.

Tex., Galveston — OFFICE — American Natl. Insurance Co., S. Moody, pres., superstructure 11 story, basement, 43 x 84 x 120 ft., rein.-con., steel annex, plain found., to L. E. Myers Co., 53 West Jackson Blvd., Chicago, Ill. Noted Nov. 1.

Tex., Houston—STORE—Sears-Roebuck & Co., Arthington and Homan Sts., Chicago, Ill., general contract 3 story, 165,000 sq.ft. floor space, brick, rein.-con., to B-W Constr. Co., 720 Cass St., Chicago, Ill. Est. $500,000. Nimons, Carr & Wright, 333 North Michigan Ave., Chicago, Ill., archts.

Tex., Lampasas — HOTEL — Lampasas Hotel Co., Lampasas, general contract 6 story, part basement, 60 x 92 ft., brick, hollow tile, granite, 3rd and Main Sts., to Davis Bros., Georgetown. Total est. $150,000.

Tex., Plainview—HOTEL—A. G. Hinn, J. H. Massey and Associates, Ft. Worth, 9 story, basement, 91 x 140 ft., brick, stone, rein.-con., to H. W. Underhill Constr. Co., Constr. Industrial Bldg., Dallas, $232,878; heating, plumbing and refrigeration, to Young & Pratt, Lubbock, $76,500. Noted Apr. 26.

Tex., Victoria—HOTEL—G. L. Bruner, 434 Bedell Bldg., San Antonio, general contract 10 story, basement, 1st story 65 x 164 ft., mezzanine floors 32½ x 130 ft., and balance 32½ x 72 ft., brick, steel, to A. F. Marshall, San Angelo, $190,000. Noted Nov. 1.

Okla., Tulsa — APARTMENT — R. M. Steil, 1118½ South Main St., 3 story, basement, 45 x 150 ft., rein.-con., brick, steel, day labor $150,000. N. E. Peters, Orear-Leslie Bldg., Kansas City, Mo., archts.

Calif., Los Angeles — APARTMENT — Owner, c/o M. Maltzman, archt., 609 Union Bank Bldg., 4 story, basement, 104 x 120 ft., brick, 6th and Cochran Sts., to W. Feigenbaum, 322 Union Bank Bldg., $250,000. Noted Nov. 15.

Calif., Los Angeles — APARTMENT — Owner, c/o M. Maltzman, 609 Union Bank Bldg., 6 story, 100 x 150 ft., brick, stucco, Sunset Blvd. and Harper Ave., to California Land & Building Co., 3923 West 6th St., $325,000. Noted Nov. 15.

Ont., North Bay—STORE—T. Eaton & Co. Ltd., 190 Yonge St., Toronto, general contract 2 story, basement, 66 x 130 ft., concrete, brick, steel, plain found., to Jeffery & Stevens, 23 McIntyre St. E. Est. $150,000. Noted Sept. 6.

Ont., Toronto — APARTMENT — H. Shankman, 2980 Dundas St. W., 2 story, basement, concrete, brick, steel, stone, plain found., Broadway Ave. $150,000. Owner sublets all trades. Private plans.

Ont., Toronto — APARTMENT and GARAGE—Heydon Hall Apartments, c/o Giles & Maule, McKinnon Bldg., excavation for 3 story, basement, 40 x 165 ft., concrete, brick, steel, Heydon Park Ave., to Gordon Bros., 156 Christie St. Est. $150,000.

Ont., Toronto—LOFT—S. Fremes, 333 Adelaide St. W., general contract 10 story, basement, rein.-con., brick, steel, stone, to Wilde & Brydon Ltd., Canadian Pacific Ry. Bldg. Est. $250,000.

Ont., Toronto—STORE and OFFICE—Incorporated Synod Diocese of Toronto, c/o Catto & Catto, archts., 1 Wellington St. W., general contract 4 story, basement, 51 x 104 ft., rein.-con., brick, steel, plain found., Yonge St., to A. R. Holmes, 61 Hayden St. Est. $150,000.

Buildings—Educational, Religious

Proposed Work

Mass., Lynn—HIGH SCHOOL—City, R. S. Bauer, mayor, City Hall, new sketches by Sanborn & Weed, Item Bldg., 3 story, basement, irregular sized, brick, stone, plain found., Memorial Park. $1,000,000. J. R. Worcester Co., 79 Milk St., Boston, engrs. Noted July 26.

Buildings—Educational, Religious (Contd.)

Mass., Worcester—SYNAGOGUE—Beth Israel Congregation, J. E. Jaffe, chn., 69 Grafton St., brick, stone, Pleasant St. $150,000 or more. Engineer and architect not selected.

R. I., Auburn (mail Providence) — CHURCH — First United Presbyterian Church, Central Falls, church. $150,000 or more. Engineer and architect not selected.

Conn., East Haven (br. New Haven)—SCHOOLS—Town, W. Jaspers, 57 Kirkham Rd., plans by G. A. Quick, 170 Kneeland Rd., New Haven, and soon takes bids 1 and 2 story, basement, brick, grade schools plain founds., 1 in Foxton Rd. and 1 in Tuttle Dist. $150,000.

Conn., New Britain — CHURCH — St. Johns German Evangelical Luthern Church, 295 Arch St., plans by F. C. Teich, 99 West Main St., church and community building, Arch St. $150,000. Noted Oct. 4.

Conn., New London—ART and SCIENCE—Connecticut College of Women, Hartford Trust Co., trustee, Hartford, Conn., plans by C. Platt, 101 Park Ave., New York, brick, stone. $250,000.

Conn., Plainville — SCHOOL — Town, School Com., Town Hall, receiving competitive plans 2 story, basement, brick, steel addition. $150,000. Engineer and architect not selected.

N. Y., Brooklyn — LIBRARY — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, additional work, incl. excavating, retaining walls, for Brooklyn Central Library, Grand Army Plaza. $1,100,000 voted.

N. Y., Dobbs Ferry—SCHOOL—Masters School sketches by Andrews, Jones, Biscoe & Whitmore, 50 Congress St., Boston, Mass., school. $150,000 or more.

N. Y., New York — ARTS — American Academy of Arts & Letters, 633 West 155th St., 4 story, brick, stone, 156th St. near Bway. To exceed $250,000. Engineer and architect not selected.

N. Y., Poughkeepsie — SCHOOL — Bd. Educ., 22 Washington St., plans by C. J. Cooke, 45 Market St., Eighth Ward School, 2 story, 124 x 182 ft., brick. $300,000.

N. J., Browns Mills — SCHOOL — Bd. Educ., Pemberton, plans by A. Merchant, 52 Paterson St., New Brunswick, 1 story, basement, brick, steel, plain found. $150,000. Noted Nov. 15.

N. J., Carlstadt (Ind. br. Rutherford)—SCHOOL—Bd. Educ., Boro Hall, brick, steel school. $150,000. Engineer and architect not selected.

N. J., Millburn—HIGH SCHOOL—Bd. Educ., Town Hall, plans by Guilbert & Betelle, 20 Branford St., Newark, 2 story, basement, rein.-con., brick, steel, addition, plain found. Old Short Hills Rd. $400,000. Noted Nov. 1.

N. J., Neptune City — SCHOOL — Bd. Educ. plans 2 story, basement, brick, steel, plain found. $150,000. Engineer and architect not selected.

N. J., Paterson — NORMAL SCHOOL — State Bd. Educ., State House, Trenton, 3 story, basement, brick, steel, plain found. $500,000. Engineer and architect not selected.

Pa., Abington — HIGH SCHOOL — Bd. Educ. plans by Heacock & Hokenson, 1211 Chestnut St., Phila., Junior High School. $300,000.

Pa., Phila. — ADMINISTRATION — Bd. Educ., J. D. Cassell, supt. buildings, 19th and Chestnut Sts., plans by I. T. Catharine, 19th and Chestnut Sts., 11 story, basement, E-shaped, rein.-con., steel, stone, Parkway at Winter St. $2,500,000.

Tenn., Memphis—SCHOOLS—Bd. Educ., W. J. Prescott, pres., Junior High School, somewhere between Cooper St. and South Parkway, $300,000 - $400,000; grammar school, in present Snowden Junior and Grammar School section, $150,000.

O., Maple Heights (br. Cleveland)—HIGH SCHOOL — Bd. Educ., A. Hadfield, clk., plans by A. M. Allen Co., 7016 Euclid Ave., Cleveland, 2 story, basement, brick, steel, concrete addition. $150,000

O., Miles Heights (br. Cleveland) — SCHOOL—Bd. Educ., D. E. Stewart, principal plans by Fulton & Taylor, 8120 Euclid Ave., Cleveland, 2 story, brick, steel, concrete addition. $150,000.

Mich., Ann Arbor — CHURCH — First Presbyterian Church plans by G. D. Mason, Standard Savings & Loan Bldg., Detroit, 2 story, basement, rein.-con., brick, steel, limestone, Washtenaw Ave. $360,000.

Mich., Dearborn—CHURCH—First Presbyterian Church plans by Fry & Kasurin, Arcade Bldg., Ann Arbor, 2 story, basement, rein.-con., brick, steel, stone, plain found. $150,000.

Mich., Dearborn—SCHOOL—Bd. Educ. plans by G. D. Mason, Standard Savings & Loan Bldg., Detroit, 2 story, basement, rein.-con., brick, steel, stone, plain found. $200,000.

Mich., Detroit — CHURCH, RECTORY and SCHOOL — St. Pauls Roumanian Church, c/o P. R. Rossello, archt., 17 Cadillac Sq., 2 story, basement, rein.-con., brick, steel, plain found. $175,000.

Mich., Fordson — SCHOOL — Bd. Educ. plans by Van Leyen, Schilling & Keough, 3440 Cass Ave., Detroit, 2 story, basement, 20-room, rein.-con., brick, steel, plain found., Meade and Payne Sts. $250,000.

Mich., Halfway—SCHOOLS—Bd. Educ., addition to high school, new 4 room, school, both rein.-con., brick, steel, stone, plain founds. $150,000.

Mich., Saline — SCHOOL — Bd. Educ. plans by Fry & Kasurin, Ann Arbor, 2 story, basement, 16-room, rein.-con., brick, steel, plain found. $150,000.

Ill., Jacksonville—GYMNASIUM—Illinois College, C. H. Rammelkamp, pres., sketches 1 story, basement, rein.-con., brick, stone. $200,000.

S. D., Yankton—SCIENCE HALL—Yankton College, G. W. Nash, pres., bids in 1929, 3 story, basement, 2 irregular shaped wings, rein.-con., brick. $275,000.

Mo., Excelsior Springs—HIGH SCHOOL—Bd. Educ., c/o Secretary, soon takes bids 2 story, basement, rein.-con., brick, stone school. $200,000. Owen, Saylor & Payson, 505 Interstate Bldg., Kansas City, archts. Noted Nov. 1.

Ark., Batesville—COLLEGE—Arkansas College, E. B. Tucker, pres., sketches by Witt, Seibert & Halsey, Texarkana Natl. Bank Bldg., Texarkana, administration building, girls dormitory, library, gym-

Ark., Little Rock—HIGH SCHOOL—School Bd., W. N. Brandon, secy., 8th and Louisiana Sts., soon takes bids Negro High School, 3 story, basement, rein.-con., brick, stone, 18th and Ringo Sts. $300,000. Wittenberg & Deloney, Home Insurance Bldg., archt.

Ont., Dundas—HIGH SCHOOL—School Bd., A. Hill, chn., plans by W. J. Walsh, 403 Terminal Bldg., Hamilton, brick, stone, high school, incl. physics and chemistry laboratories, Dundas West. $150,000.

Ont., London — CHAPEL — Diocese of London, A. Fallon, bishop. The Palace, plans by Pennington & Boyde, 1002 Security Bldg., Windsor, and takes bids early in spring, stone, Sunshine Park. $200,000.

Ont., Ottawa—HOME—Ottawa Protestant Orphans Home, Elgin St., W. and J. A. Evart, archt., Jackson Bldg., soon take bids orphans home, Elgin St. $175,000.

Bids Desired

Mich., Ann Arbor—DORMITORY—Dec. 6, by Trustees University of Michigan, Guardian Trust Co., trustee, Griswold St., Detroit, 5 story, basement, brick, steel, stone, concrete, plain found., Observatory St. $500,000. Malcolmson & Higginbotham, 1219 Griswold St., Detroit, archts.

Mass., Brookline (br. Boston)—SCHOOL—Congregation Kehillath Israel, L. M. Epstein, rabbi, 384 Harvard St., taking bids 2 story, basement, brick, stone, plain found., Harvard St. $150,000. Krokyn, Browne & Rosenstein, 220 Devonshire St., Boston, archts. Noted Nov. 15.

Mass., Norwood — HIGH SCHOOL — Town, L. Grant, supt., taking bids Junior High School, 3 story, basement, brick, plain found. $175,000. W. G. Upham, Washington St., archt.

N. Y., Woodhaven (Ind. br. Jamaica)—HIGH SCHOOL—Dec. 6, by W. C. Martin, archt. and supt. School Buildings, Flatbush Ave. extension and Concord St., Brooklyn, general contract John Adams High School, Rockaway Blvd., Sutter Ave. 101st and 103rd Sts., for Bd. Educ., 500 Park Ave., New York. Noted June 16.

N. J., Plainfield — COMMUNITY CENTER—Nov. 27 (extended date), by Block & Hesse, archts., 18 East 41st St., New York, 3 story, basement, 120 x 125 ft., brick, steel, plain found., West 7th St. and Center Ave., for Y. M. H. A., W. Newcorn, pres., 220 Park Ave. $150,000. Noted Nov. 8.

N. J., Secaucus (Ind. br. West New York)—SCHOOL—Nov. 23, by Bd. Educ., School 1, 2 story, basement, brick, steel, rein.-con., plain found., Paterson Lane and County Ave. $175,000. W. Mayer, Jr., 711 Bergenline Ave., West New York, archt. Noted Nov. 15.

N. J., West Orange — SCHOOL — Bd. Educ., Northfield Ave., bids about Dec. 1, 2 story, basement, brick, steel, plain found., Sheridan Ave. and Northfield Rd. $150,000. Hacker & Hacker, Fort Lee Trust Bldg., Fort Lee, archts. Noted Oct. 25.

Md., Baltimore—PHYSIOLOGY—Dec. 4, by Archer & Allen, archts., Central Savings Bank Bldg., 6 story, basement, 71 x 96 ft., rein.-con., brick, steel, Wolfe St. and Bway., for Johns Hopkins University. Van Renssalaer Saxe, Knickerbocker Bldg., engr.

Mich., Battle Creek—CHURCH—Dec. 10, by A. B. Chanel, archt., 717 Post Bldg., 1 and 2 story, basement, 90 x 147 ft., rein.-con., brick, steel, stone, plain found., East Van Buren Ave. for St. Phillips Parish, 92 Maple St. $250,000. Noted Oct. 11.

Mich., Detroit—SCHOOL—Dec. 3, by C. A. Gadd, bus. mgr. Bd. Educ., 1354 Broadway Ave., 2 story, basement, 70 x 135 ft., rein.-con., brick, steel, plain found., Brock St. $175,000.

Mich., Detroit—SCHOOL—Dec. 3, by C. A. Gadd, bus. mgr. Bd. Educ., 3 story, basement, 200 x 300 ft., rein.-con., brick, steel, stone, plain found., Turner Ave. $740,000. L. Kamper, Kamper Bldg., 3729 Cass Ave., archt.

Mich., Trenton—HIGH SCHOOL—Nov. 26, by Bd. Educ., G. D. Strohm, secy., 2 story, basement, rein.-con., brick, steel addition, incl. swimming pool, plain found. $150,000. Le Roy & Newlander, Kalamazoo, archts.

Ill., Chicago — SCHOOL — Shattuck & Layer, archts., 134 North La Salle St., taking bids 3 story, brick, 55th St. and Kimbark Ave., for Catholic Bishop of Chicago, 740 Cass St. $200,000.

Wis., Green Bay — CHURCH — C. C. Reynolds, assoc. archt., Green Bay, taking bids 1 story, brick, stone, Madison St., for Union Congregational Church. $150,000. Lautz & Christensen, 806 West 79th St., Chicago, Ill., archts. Former bids rejected. Noted July 12.

Minn., Virginia—HIGH SCHOOL—Dec. 5, by Bd. Educ., J. E. Hanson, clk., 2 story, basement, rein.-con., brick high school. $750,000. J. A. Codding, Virginia, archt. Noted Nov. 15.

Mo., Springfield—CHURCH—First Presbyterian Church, O. L. Black, pastor, 615 South Fremont St., bids about Dec. 5, 2 and 3 story basement, 28 x 41 ft., and 41 x 90 ft., rein.-con., brick, stone, incl. gymnasium, social service rooms, Cherry and Dollison Sts. A. A. Honeywell, Indianapolis, Ind., archt. Noted Oct. 25.

Calif., Pomona—HIGH SCHOOL—Dec. 11, by Bd. Educ., Pomona City High School Dist., 2 story, 217 x 290 ft. administration building, and 1 story, 50 x 160 ft. shop, rein.-con., Garey St. $275,000. T. C. Kistner & Co., 814 Architects Bldg., Los Angeles, archts.

Bids Received

N. J., Bloomingdale — SCHOOL — Bd. Educ., Hillsboro Twp., W. French, dist. clk., Anwell Rd., 1 and 2 story, brick, steel, plain found., from Macchi & Co., Cornell Blvd., Somerville. Est. $150,000. Noted Nov. 1.

N. J., Piscatawaytown—SCHOOL—Bd. Educ., Nov. 12, general contract addition to Clara Barton School, from H. Greisen, 175 Smith St., Fords, $131,000; heating from Jensen & Rodner, New Brunswick, $47,578.

N. J., Tenafly—SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, brick, steel, plain found., Magnolia Ave., from J. E. Bowe, 18 West Palisade Ave., Englewood, $162,400; heating, from Beck Heating & Ventilating Co., 449 19th St., West New York, $30,000. Noted Oct. 11.

Mich., Detroit — SCHOOL—A. C. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., Nov. 12, general contract 2 story, basement, 110 x 135 ft., rein.-con., brick, steel, plain found., Lappin Ave., from Stibbard Constr. Co., 3000 Grand River, $104,000; heating, from J. W. Partlan, 14290 Goddard Ave. $33,931. Noted Nov. 8.

Contracts Awarded

N. Y., Brooklyn—SYNAGOGUE—Temple Beth El, c/o B. Moss, 299 Steinway Ave., Astoria, 3 story, to D. Solomon, 160 Montague St. Est. $250,000.

N. Y., Buffalo — COLLEGE — W. Haugaard, archt., Capitol, Albany, general contract college, gymnasium and vocation buildings, at New York State College for Teachers, to C. Everitt, 295 Auburn Ave., $1,300,000. Noted Oct. 25.

N. Y., Coney Island (sta. Brooklyn) — HIGH SCHOOL—Bd. Educ., 500 Park Ave., New York, general contract Abraham Lincoln High School, Ocean Parkway, to G. F. Driscoll Co., 548 Union St., Brooklyn, $1,848,780; plumbing, to Wells & Norton, 250 West 27th St., New York, $118,837; heating to Heat Control Serv. Co., 3102 Clarendon Rd., Brooklyn, $218,570; electrical work, to Elgin Electric Co., 204 East 27th St., New York, $67,400. Grand total, $2,253,587. Noted Oct. 25.

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Buildings—Educational, Religious (Cont.)

N. Y., Long Beach — SCHOOL — Union School Dist. 28, I. M. Thurman, in charge, school, to Johnson & Molitor, Park St., Long Beach. Est. $300,000.

N. Y., New York—SCHOOLS—Bd. Educ., 500 Park Ave., general contract P. S. 104, to Graybar Constr. Co., 284 Washington Ave. $692,925, heating, to Pyro Heating Co., Inc., 1375 58th St., Brooklyn $95,000, plumbing, to H. Homer, 183 6th Ave. $26,470, electrical work, to Criterion Electric Co., Inc., 470 East Tremont Ave. $25,000; general contract P. S. 164, Edward W. Stitt Junior High School, to Sound-view Building Corp., 355 East 149th St. $657,000, heating, to H. Starkman & Bros., 333 East 81st St. $97,818, plumbing, to Wells & Newton Co., Inc., 250 West 27th St. $37,981, electrical work, to Arc Electric Constr. Co., 315 East 39th St. $26,280. Grand total $1,658,474. Noted Oct. 25 and Nov. 1.

N. Y., Syracuse—SCHOOL—Bd. Contr. & Supply, City Hall, 2 story, basement, rein.-con., brick, steel, plain found., to Shane Constr. Co., Hills Bldg., $265,000; heating, to Fred Brandt Co., 113 Oakwood Ave., $43,248; plumbing, to J. R. Walsh, 112 Montomery St., $26,200. Grand total $334,448. Noted Oct. 25. Electrical work, to Cavanaugh Electrical Co., 321 Mather St., $13,669.

N. J., Hillside (br. Elizabeth)—SCHOOL—Bd. Educ., Central Grammar School, 143 Coe St., general contract addition to Hillside Ave. School, to Gilmore Bros., Inc., 679 Market St., Paterson, $159,000. Noted Oct. 25. Heating, to G. Stewart, 279 South 20th St., Newark, $22,911; electrical work, to E. D. Wilson, 54 Elizabeth Ave., Newark, $11,028.

N. J., North Arlington (mail Arlington)—SCHOOL—Bd. Educ., Boro Hall, general contract 2 story, basement, brick, steel, rein.-con., plain found., Argyle Ave., to L. Infante & Son, 222 Westervelt Pl., Lodi. Est. $150,000. Noted Oct. 25.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., 2 story, basement, 177 x 179 ft., rein.-con., brick, steel, plain found., to H. M. Martens, 2211 Woodward Ave., $245,982; steam heating, to Card & Dawson, 3922 Garland Ave., $70,779. Noted Sept. 20.

Mich., Detroit—SCHOOL—A. C. Gadd, bus. mgr. Bd. Educ., 1354 Bway. Ave., general contract 2 story, basement, 100 x 135 ft., rein.-con., brick, steel, plain found., to Culbertson & Kelley, 872 Milwaukee Ave. steam heating, to J. W. Partlan, 14290 Goddard Ave. Est. $150,000. Noted Nov. 8.

Mich., Flint—SCHOOL—H. L. Hills, bus. mgr. Bd. Educ., 2 story, basement, rein.-con., brick, steel, stone, plain found., to C. Schollenberger, 223 Curtis Bldg., West Grand Blvd., Detroit. Est. exceeds $150,000. Noted Nov. 1.

Mich., Pontiac — SCHOOLS — Bd. Educ., general contract Lincoln Junior High School, 1 and 2 story, basement, 216 x 263 x 374 ft., to Pryale Constr. Co., Pontiac, $407,900; general contract Whittier School, 2 story, to Chissus Bros., Birmingham, $172,800; heating, ventilating and plumbing for both schools, to Eames & Brown, Pontiac, $112,649 and $52,305 respectively, electrical work for both schools, to Durkes Electric Co., Pontiac, $41,028 and $17,345 respectively. Grand total $804,027. Noted Sept. 13.

Ill., Bloomington — MUSIC COLLEGE — Illinois Wesleyan University, Bloomington, 2 story, rein.-con., brick, stone, to J. L. Simmons Co., Bloomington. Est. $250,000.

Ill., Evanston — SCHOOL — Childs & Smith, archts., 720 North Michigan Ave., general contract 3 story addition, to C. E. Anderson Co., 306 South Wabash Ave., Chicago; plumbing and heating, to Amer. Heating & Plumbing Corp., 1622 Darrow Ave. Est. $160,000. Noted Sept. 13.

Ill., Oak Park — CHURCH — Catholic Bishop of Chicago, 740 Cass St., general contract 75 x 170 ft. church, 90 ft. high, 1,100 seating capacity, East and Van Buren Sts., to Mutual Constr. Co., 2532 Warren Ave., Chicago. Est. $300,000.

Tex., Abilene — DORMITORIES — Abilene Christian College, c/o President two 61 x 171 ft., brick, stone, steel, rein.-con., to Balfanz Constr. Co., Abilene, $160,000.

Calif., Oakland—HIGH SCHOOL—Oakland School Dist., Clawson-Longfellow High School, 3 story, rein.-con., to J. E. Branagh, 184 Perry St., $246,294. Noted Nov. 15.

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Federal Government Work

Proposed Work

Mass., Northampton—GREENHOUSE—U. S. Veterans' Bureau rejected bids Aug. 21, at U. S. Veterans' Hospital. Noted Aug. 30.

Mass., Rutland Heights—GREENHOUSE—U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids Sept. 11, at U. S. Veterans' Hospital. Noted Sept. 20.

O., Chillicothe — GREENHOUSE — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids greenhouse and workroom at U. S. Veterans' Hospital. Noted Oct. 4.

Ia., Knoxville — GREENHOUSE — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., rejected bids Sept. 4, at U. S. Veterans' Hospital. Noted Sept. 20.

Ark., North Little Rock—HOSPITAL—U. S. Veterans' Hospital 78, 2 story, brick concrete addition. Private plans.

Tex., Galveston — HOSPITAL — Treas. Dpt., at office Supervising Archt., Wash., D. C., 4 story, part basement, Marine Hospital, between M and N Aves., 43rd and 45th Sts.

Calif., San Diego—BOILER—Spec. 5483—Bureau Yards & Docks, Navy Dpt., Wash., D. C., rejected bids Oct. 31, boiler and accessories at Naval Air Station. Noted Nov. 8.

Bids Desired

D. C., Wash.—HOSPITAL—Dec. 27, by Constructing Quartermaster, Army Medical Center, isolation ward, laboratory, tuberculosis ward, observation ward, Ward No. 3, altering 3rd floor administration building, baggage and effects building, connecting corridors, roads, sidewalks, grading, water, sewer and electric lines; adv. E. N.-R. Nov. 22. Noted Oct. 25.

D. C., Wash.—CULVERTS—Nov. 28, by A. L. Flint, gen. purch. agt. Panama Canal, galvanized corrugated culverts.

D. C., Wash. — WARMING-UP PLATFORM — Spec. 5792 — Nov. 28, by Bureau Yards & Docks, Navy Dpt., Wash., D. C., warming-up platform at Naval Aid Station (Anacostia). Noted Nov. 15.

D. C., Wash.—CHASSIS—Dec. 7, by A. L. Flint, gen. purch. officer Panama Canal, motor truck chassis, automobiles, cast steel rollers, bronze bushings, gears, grinders, melting furnace, sewer pipe, lighting fixtures, etc., Schedule 1924.

D. C., Wash.—INTERNAL REVENUE—Jan. 2, by Treas. Dpt., at office Supervising Archt., Wash., D. C., Internal Revenue Building (except elevators), 7 story, basement, stone. J. A. Wetmore, acting superv. archt. Noted Nov. 24, 1927.

Virginia — DREDGING — Dec. 15, by U. S. Engineer Office, Norfolk, 3,977,000 cu.yd. channel across Rocklanding Shoal in James River; adv. E. N.-R. Nov. 22. Noted Nov. 15.

Va., Newport News—DREDGING—Dec. 15, by U. S. Engineers Office, Norfolk, 2,000,000 cu.yd. in channel to Newport News; adv. E. N.-R. Nov. 22. Noted Nov. 8.

Ga., Fort Benning—BARRACKS—Dec. 12, at office Constructing Quartermaster, constructing Units "A," "B," "C" and "D" and pipe tunnel of Barracks 2; adv. E. N.-R. Nov. 22. Noted Nov. 15.

Fla., Lake City—ALTERATIONS—Dec. 11, by U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., altering Building 4, U. S. Veterans' Hospital. Noted Oct. 4.

La., New Orleans — EARTHWORK — Nov. 30, by U. S. Engineer Office, Burdette St. and River Front, 172,000 cu.yd. earthwork in New Orleans River Dist.

Tenn., Memphis — EARTHWORK — Dec. 19, by U. S. Engineer Office, 1,200,000 cu.yd. earthwork in Lower St. Francis Levee Dist.; adv. E. N.-R. Nov. 22.

Ky., Louisville—WICKET IRONS—Dec. 4, by U. S. Engineer Office, P. O. Box 72, wicket irons, horses and props, for Bebout weir of Dam 48, Ohio River; adv. E. N.-R. Nov. 22.

Mich., Camp Custer (br. Battle Creek)—HEADQUARTERS, etc.—Nov. 30, at office Constructing Quartermaster, camp headquarters, camp dispensary and mess hall and kitchen.

Calif., Riverside—WATER and SEWER LINES — Dec. 10, at office Constructing Quartermaster, March Field, water and sewer lines; adv. E. N.-R. Nov. 22.

Bids Received

Fla., Jupiter—BULKHEAD—Spec. 5703—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing bulkhead at Naval Radio Station, from J. M. Cromer & Son, 5 Stypmann Arcade, West Palm Beach, Fla., $1,990. Noted Nov. 1.

Miss., Corinth — EXTENSION — Treas. Dpt., at office Supervising Archt., Wash., D. C., Nov. 16, extending U. S. Post Office from C. Weitz Sons, 713 Mulberry St., Des Moines, Ia., $56,700. Noted Oct. 18.

Mich., Camp Custer (br. Battle Creek) — WATERPROOFING — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., waterproofing walls, at U. S. Veterans' Hospital, from Colorless Damp-proofing Co., Inc., Boston, Mass., $20,878 (14 to 40 days).

California—ROAD—C. H. Sweetser, dist. engr. U. S. Bureau Pub. Rds., Sheldon Bldg., San Francisco, Nov. 8, grading 1.85 mi. Strawberry Creek-North Fork Sect. Route 72, Natl. Forest Hy., Riverside Co., from L. G. Singletary, 1064 Market St., Riverside, $44,937. Noted Nov. 1.

Calif., San Diego — REFRIGERATION CASES — Spec. 5747 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., Nov. 14, refrigerator cases and machine, from Frigidaire Corp., 1313 New York Ave. N. W., $2,292. Noted Oct. 25.

Contracts Awarded

Mass., Rutland Heights — COVERED WALKS — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., at U. S. Veterans' Hospital, to R. H. White, Auburn, Me., $6,789. Noted Nov. 15.

N. Y., Brooklyn—ROOFING—Spec. 5733—Bureau Yards & Docks, Navy Dpt., Wash., D. C., repairing roofing at U. S. Naval Hospital, to J. Grossman, 55 West 42nd St., New York, $6,770 (90 days). Noted Nov. 8.

N. J., Picatinney Arsenal (mail Dover)—ADMINISTRATION, etc. — Constructing Quartermaster, 38 buildings, to Van Asdlen Constr. Co., 1600 Arch St., Phila., Pa., $793,516. Noted Oct. 18.

Pa., Olyphant—POST OFFICE—Treas. Dpt., at office Supervising Archt., Wash., D. C., U. S. Post Office, to A. C. Samford, 301 Washington Ave., Montgomery, Ala., $46,960 (365 days). Noted Nov. 8.

Pa., Phila. — FACTORY — Spec. 5741 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., altering Building 517, Navy Aircraft Factory, Navy Yard, to J. H. Hutt, 5919 Spruce St., Phila., Pa., $11,440 (120 days).

Pa., Pittsburgh—LOCKKEEPERS HOUSES—U. S. Engineer Office, two 7 story lockkeepers houses at Lock 6, Allegheny River, to F. J. Kamnerdeiner, Natrona Heights, $15,726. Noted Nov. 15.

Md., Baltimore—DREDGING—U. S. Engineer Office, Baltimore Harbor and channels, to Arundel Corp., Pier 2, Pratt St., $50,032. Noted Nov. 15.

Va., Norfolk — GENERATOR — Spec. 5642 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., engine driven generator, for Naval Hospital, to Hitt & Brown, Inc., 137 West Charlotte St., $14,915 (120 days). Noted Nov. 15.

Va., Yorktown—ROADS—Spec. 5753—Bureau Yards & Docks, Navy Dpt., Wash., D. C., roads at Naval Mine Depot, to G. Y. Carpenter, Chester, $3,473 (30 days).

Va., Yorktown — FIRE ALARM CIRCUITS — Spec. 5379 — Bureau Yards & Docks, Navy Dpt., Wash., D. C., fire alarm circuits, at Navy Mine Depot, to Harrison-Wright Co., Kinney Bldg., Charlotte, N. C., $27,100 (150 days). Noted Nov. 8.

Mississippi—LEVEES—U. S. Engineer Office, Memphis, levee work in Upper Yazoo Levee Dist., Pierce 35, to Canal Constr. Co., 501 McCall Bldg., Memphis, Tenn., $104,705; Piece 36, to McWilliams, Inc., Exchange Bldg., Memphis, Tenn., $63,495; Pieces 37 and 38, to Lowrance Bros. Co., 623 Front St., Memphis, Tenn., $74,530 each. Grand total $317,260. Noted Nov. 8.

Miss., Gulfport — QUARTERS — U. S. Veterans' Bureau, Arlington Bldg., Wash., D. C., officers quarters at U. S. Veterans' Hospital, to E. E. Carroll, Madison, Fla., $42,990. Noted Nov. 15.

Tenn., Chattanooga — GENERATOR SETS—U. S. Engineer Office, diesel engine generator sets for diesel electric towboat to Fairbanks, Morse & Co., 900 South Wabash Ave., Chicago, Ill., $34,985. Noted Aug. 23.

Illinois—LEVEE—U. S. Engineer Office, Rock Island, levee at Lake Lima Drainage Dist., to W. E. Callahan Constr. Co., Arcade Bldg., St. Louis, Mo., $9,900. Noted Nov. 15.

Kan., Newton — REMODELING — Treas. Dpt., at office Supervising Archt., Wash., D. C., remodeling, enlarging U. S. Post Office, to W. D. Lovell, 1415 8th St. S.E., Minneapolis, Minn., $22,264 (180 days). Noted Oct. 25.

Wash., Puget Sound — DREDGING — Spec. 5776—Bureau Yards & Docks, Navy Dpt., Wash., D. C., Quay Wall, West of

Federal Government Work (Continued)

Pier 4, Navy Yard, to McEachern Constr. Co., 551 Colon Bldg., Seattle, $4,276 (90 days).

Calif., San Diego — HEATING — Spec. 5761—Bureau Yards & Docks, Navy Dpt., improving heating at recreation building, Naval Operating Base, to Reed Bros. Co., 672 8th St., $4,939 (90 days).

FEDERAL POWER COMMISSION

Application for License and Permits Applications

927—Virginia Pub. Serv. Co., Charlottesville, Va., wants license transmission line in Natural Bridge National Forest, Augusta Co.

928—Comanche Mining & Reduction Co., Montgomery, Nev., wants preliminary permit power project partly within Inyo Natl. Forest and partly on public lands on Montgomery Creek, Mono Co., Calif.

929—Southern California Edison Co., 306 West 3rd St., Los Angeles, Calif., wants license transmission line partly within Santa Barbara Natl. Forest, Ventura Co.

930—Empire Development Co., San Francisco, Calif., wants preliminary permit power project in Sequoia and Inyo Natl. Forests on Kern River, south fork Kern River and tributaries in Tulare Co.

Unclassified

Proposed Work

LAND DEVELOPMENT — **Nantucket, Mass.**—N. E. Lowell, 138 Main St., developing site for building purposes, on Hummocks Pond Rd. $25,000 or more. Private plans.

SWIMMING POOL—**Westport, Conn.**—Westport Y. M. C. A., T. H. Leonard, secy., Post Rd., tile, concrete swimming pool. $25,000. Engineer and architect not selected.

PARK SYSTEM — **Elizabeth, N. J.** — Union Co. Park Comn., Acme St., developing park system. $1,000,000 appropriated. W. R. Tracey, Acme St., engr.

BATHING POOL—**Paterson, N. J.**—Bd. Parks Comrs., City Hall, leveling ground, constructing concrete bathing pool, in Pennington Park. $65,000. H. J. Harder, city engr.

SWIMMING POOL—**Spring Lake** (Spring Lake Beach, P.O.), **N. J.**—Boro, Boro Hall, sketches 50 x 100 ft., rein.-con., glazed brick swimming pool, 2 story, 120 x 275 ft. pavilion, 600 bath houses, 60 shower houses, Ocean, Atlantic and Salem Aves. $150,000. E. H. Schmieder, 1109 3rd Ave., archt.

SWIMMING POOL—**Seaside Park, N. J.**—Arlington Beach Bathing Co., c/o E. H. Schmieder, 1109 3rd Ave., Spring Lake, sketches 75 x 100 ft. rein.-con., glazed brick swimming pool, 100 bathhouses, 500 lockerrooms, ten 1 story, brick, stores. $150,000.

STADIUM—**Gainesville, Fla.**—University of Florida plans by R. Weaver, 200 Peabody Hall, concrete, steel stadium. $500,000.

WADING POOLS—**Detroit, Mich.**—Dpt. Parks & Blvds., Marquette Bldg., rein.-con. wading pools in Palmer and Baby Creek Parks. $40,000.

STREET LIGHTING SYSTEM—**Galesburg, Ill.**—Ornamental lighting system on Main St. $26,190. A. L. Richey, City Hall, engr.

QUARRY—**Lyons, Ill.**—Material Service Corp., 111 West Washington St., Chicago, H. Crown, pres., purchased 80 acre site, plans quarry, West 47th St. $500,000.

TRANSMISSION LINE—**Texas**—Central Power & Light Co., Frost Bldg., San Antonio, granted franchise to build transmission line from Flatonia, to Waelder, extensions inside city limits of Waelder. $35,000. Private plans.

OIL PIPE LINE—**Texas** and **Illinois**—Empire Gas & Fuel Co., subsidiary Cities Service Co., 60 Wall St., New York, and Texas Co., 17 Battery Pl., New York, organized Texas Empire Pipe Line Co., Bartlesville, Okla., 600 mi. 12 in. oil pipe line from Mid-Continent Oil Fields in Texas to Chicago, Ill. $15,000,000.

GAS MAINS—**Fort William, Ont.**—See "Buildings—Industrial."

GRAIN ELEVATOR — **Fort Churchill, Ont.**—Owner, c/o C. D. Howe & Co., engrs., Port Arthur, soon takes bids 1,000,000 bu. grain elevator.

COAL STORAGE PLANT — **Oshawa, Ont.** — General Motors of Canada, 4,000 ton coal storage plant, concrete, rein.-con. storage bins, coal handling and conveying equipment. $40,000.

POWER DEVELOPMENT—**Trail, B. C.**—West Kootenay Power & Light Co., Rossland, L. A. Campbell, engr., have applied to Provincial Govt., for water rights on Pend Orielle River, 80,000 hp. development. $4,000,000.

Bids Desired

REFRIGERATION EQUIPMENT — **Albany, N. Y.**—Dec. 18, by Commissioner Dpt. Health, Capitol, refrigeration equipment for Dpt. Health, Div. Laboratories and Research; adv. E. N.-R. Nov. 22.

REFRIGERATION EQUIPMENT—**Binghamton, N. Y.**—Dec. 19, by Commissioner Dpt. Mental Hygiene, Albany, refrigeration equipment for Binghamton State Hospital; adv. E. N.-R. Nov. 22.

GENERATOR—**Buffalo, N. Y.**—Dec. 12, by Commissioner Mental Hygiene, Capitol, Albany, electric generator for Buffalo State Hospital; adv. E. N.-R. Nov. 22.

REFRIGERATION — **Buffalo, N. Y.** — Dec. 19, by Commissioner Dpt. Mental Hygiene, Albany, refrigeration work in refrigeration plant, Buffalo State Hospital; adv. E. N.-R. Nov. 22.

SANITARY WORK—**Central Islip, N. Y.**—Dec. 19, by Commissioner Dpt. Mental Hygiene, Albany, sanitary work, Vielle Home; adv. E. N.-R. Nov. 22.

SPECIAL WORK—**New York, N. Y.**—Nov. 27, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., supply of special work (rails, frogs and switches), for use in construction Rapid Transit Railroads.

BRCAD STREET SUBWAY—**Phila., Pa.**—Dec. 4, by Dpt. City Transit, C. E. Myers, dir., City Hall Annex, rails, splice bars, spikes, Broad Street Subway Contr. 211; curves, crossovers, turnouts, channels, tie balls complete, Contr. 212.

SWIMMING POOL—**Trenton, Mich.**—See "Buildings-Educational, Religious."

TELEPHONE IMPROVEMENTS — **Mt. Vernon, Ill.** — See "Contracts Awarded."

Bids Received

SUBWAY—**Brooklyn, N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York, Nov. 13, constructing Sect. 5-A, Route 109, Rapid Transit R.R., from Carlo Petrillo Co., East Chester Creek and Boston Rd., New York, $2,019,977. Noted Nov. 1.

DUCT LINE — **New York, N. Y.** — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Nov. 16, constructing duct line in Isham St. between Bway. and Substation 1, 10th Ave. near Isham St., from E. T. Barry, 126-06 139th Ave., Lauralton, $39,035. Noted Nov. 8.

TIES — **New York, N. Y.** — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., Nov. 13, treated and untreated ties, in Central Park West, from Union Lumber Co., Grand Central Terminal, $71,631 and $19,982 respectively.

FIELD HOUSES—**Kearny** (sta. Arlington), **N. J.**—Bd. Educ., 20 Branford Pl., Newark, general contract 2 field houses on athletic field, at Kearny High School, from Eastern Building Co., 270 Fabyan Pl., Newark, $26,750. Noted Nov. 8.

BATH HOUSE—**Detroit, Mich.** — City, superstructure 1 story, 80 x 240 ft., rein.-con., brick, steel, sttone, River Rouge Park, from Leudzon Constr. Co., 5765 Chene St., $158,000. Noted Nov. 15.

FERRY LANDINGS—**Galveston, Tex.**—Galveston Co. c/o J. M. Murch, aud., Oct. 16, timber, concrete ferry landings, dredging, from Coastal Constr. Co. Galveston, $45,000. Noted Aug. 23.

Contracts Awarded

ELEVATORS — **Brooklyn, N. Y.** — New York Dock Co., 44 Whitehall St., New York, altering elevator shafts in six 12 story warehouses and lofts, to Otis Elevator Co., 130 Clinton St. Est. $200,000. Noted Nov. 8.

RETAINING WALL — **New Jersey** — Hudson Co., Court House, Jersey City, reconstructing repairing dry rubble retaining walls along Hudson Co. Blvd., to R. and F. Concreting Co., Inc., 412 44th St., Union City, $81,445. Noted Nov. 1.

TRAFFIC LIGHTS — **Paterson, N. J.** — Bd. Pub. Wks., City Hall, traffic lighting system on various streets, to W. J. Coleman, 11 Oakland Ave., Jersey City, $82,836. Noted Nov. 1.

TRANSMISSION LINES, etc. — **Tennessee** — Tennessee Electric Power Co. and subsidiary, Nashville Railway & Light Co., Watkins Bldg., Nashville, transmission lines running east and south from Nashville through Centerville to Hohenwald and from Centerville to McEwen, 58 mi. steel tower construction of which 14 mi. will be double circuit, 51 mi. wood pole construction, sub-stations in Nashville, Centerville, McEwen Hohenwald, to Stevens & Wood, 20 Pine St., New York. Est. $1,500,000.

BULK STORAGE FIELD—**Ft. Wayne, Ind.**—Texas Co., 17 Battery Pl., New York, bulk storage field, Connecticut Ave. and Miller Rd., to Buesching-Hagerman Co., 402 East Superior St. Est. $40,000.

TELEPHONE IMPROVEMENTS — **Mt. Vernon, Ill.** — Illinois Bell Telephone Co., 212 West Washington St., Chicago, installing new switchboard equipment, extending distribution system day labor. $150,000. Private plans.

GAS PIPE LINE—**Texas**—West Texas Gas Co., Amarillo, 28 mi. 8 in. natural gas pipe line from Slaton to Post, to Jno. W. Moore Constr. Co., Rule Bldg., Amarillo, $75,000, sub-contracted to South Plains Pipe Line Co., Amarillo.

FIRE ALARM SYSTEM—**Tacoma, Wash.**—City Council, general equipment for fire alarm system, to Diamond Electrical Mfg. Co., 1318 East 16th St., Los Angeles, Calif., $47,000. Total est. $60,543.

WHARFS—**Canada**—Dpt. P. Wks., Ottawa, Ont., extending wharf at Natashquan, Que., to J. Gajuon, Natashquan, Que., $34,000; extending wharf at Roberal, Que., to G. F. Frere, Roberal, $28,000; reconstructing Wharf 5, at Halifax, N. S., to Stephen Bros. Ltd., Halifax, N. S., $30,000; extending breakwater wharf, at West Advocate, N. S., to F. Boone, South Devon, N. S., $27,000. Grand total $110,000.

PIER—**Port Dover, Ont.**—Dpt. P. Wks., Parliament Bldg., Toronto, constructing new east pier, removing old pier, dredging harbor, to A. C. Stewart & Co., Port Dover, $130,858.

Materials

Bids Desired

PISTON HEADS, STEEL SHEETS, etc. — **Phila., Pa.** — Nov. 27, by C. E. **Walsh**, purch. agt. Pennsylvania R.R. Co., 15 North 32nd St., piston heads, Contr. 79—1928; steel sheets, Contr. 80—1928; bridge, Contr. 81—1928.

STEEL and CEMENT—**Alabama**—Nov. 26, by State Bd. Administration, Montgomery, 9,741,800 lb. reinforcing, and 85,700 bbl. cement for 15 toll bridges, shipping points Catherine, Monroeville, Childersburg, Cedar Bluffs, Riverside, Scottsboro, Guntersville, Farley, Cochrane, Mt. Hebron, Epes, Riderwood, Jackson, Eutaw, and Demopolis. J. A. Schneider, purch. agt.

PIPE and CASTINGS—**New Orleans, La.**—Dec. 5, by J. L. Porter, engr., Sewer & Water Bd., Carondelet St., 1,232 tons 6 in. pipe, twenty-seven 60 in. special castings.

LUMBER, SPIKES, etc.—**Audubon, Ia.**—Dec. 4, at office Auditor Audubon Co., 274,000 ft. standard sawed fir, 34,400 ft. creosoted yellow pine lumber, 12,700 lin.ft. creosoted yellow pine piling, 75 kegs spikes, several hundred lb. bolts, boat spikes, washers and other bridge hardware, 150 gal. white and 50 gal. red paint. C. A. Barthalow, Audubon, co. engr.

PIPE—**Vancouver, B. C.**—Dec. 11, by City Council, 5,000 ft. 18 in. steel pipe. C. Brackenridge, City Hall, engr.

Foreign

Mexico, Matamoras—International Sports & Amusement Co., c/o W. T. Tobey, secy. and treas., plans amusement project, incl. stadium, grandstands, race track, etc. $2,000,000. Dog track to cost $75,000 to be let at once.

South America, Colombia — City of Bogota plans water supply system. Mr. Gordon of Gordon & Bulot, engrs., 53 West Jackson Blvd., Chicago, Ill., is making preliminary estimates.

See proposal advertising on page 123

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UNIT PRICES

Sewerage System—Port Gibson, Miss.

City opened bids June 6 installing sanitary sewerage system. Lowest four and highest bidders are: (A) L. L. McEachin Construction Co., Home Insurance Bldg., Little Rock, Ark., (awarded contract vitr. clay pipe); (B) F. D. Harvey & Co., Memphis, Tenn.; (C) Ayers & Meaders, Memphis, Tenn.; (D) J. B. McCrary Engineering Corp., Atlanta, Ga.; (E) Boodie Construction Co., Laurel. P. A. O'Brien, 411 Edwards Hotel Bldg., Jackson, engineer.

		A	B	C	D	E
Trenching and Backfilling	**Depth**					
2,520 lin.ft.	0– 4 ft.	$0.20	$0.30	$0.22	$0.17	$0.30
13,389 lin.ft.	4– 6 ft.	.25	.40	.26	.25	.40
16,300 lin.ft.	6– 8 ft.	.32	.40	.32	.31	.60
4,350 lin.ft.	8–10 ft.	.40	.60	.45	.48	.75
2,375 lin.ft.	10–12 ft.	.55	.70	.60	.71	1.20
762 lin.ft.	12–14 ft.	.80	1.00	.80	.92	1.80
725 lin.ft.	14–16 ft.	1.05	1.20	1.00	1.16	2.60
485 lin.ft.	16–18 ft.	1.50	1.50	1.35	1.67	3.50
Standard Vitrified Clay Pipe						
2,510 lin.ft.	6 in.	.22	.14	.21	.18	.17
29,970 lin.ft.	8 in.	.30	.22	.33	.31	.28
6,387 lin.ft.	10 in.	.40	.32	.45	.42	.47
1,400 lin.ft.	15 in.	.75	.64½	.80	.74	.80
Concrete Pipe						
2,510 in.ft.	6 in.	.23	.15	.23	.19	.18½
29,970 lin.ft.	8 in.	.29	.21	.32½	.30	.27½
6,387 lin.ft.	10 in.	.38	.31	.44	.39	.45
1,400 lin.ft.	15 in.	.75	.53	.78	.76½	.65
Brick or Concrete Manholes						
10	0– 4 ft.	45.00	50.00	40.00	38.00	45.00
27	4– 6 ft.	51.00	55.00	50.00	50.00	47.50
15	6– 8 ft.	61.00	60.00	60.00	65.00	50.00
7	8–10 ft.	71.00	67.50	70.00	79.00	55.00
4	10–12 ft.	85.00	68.00	80.00	93.00	60.00
3	12–14 ft.	90.00	100.00	90.00	107.00	65.00
1	14–16 ft.	.....	110.00	100.00	120.00	75.00
1	16–18 ft.	.....	125.00	110.00	135.00	85.00
Cast Iron Pipe, Class "C"						
100 lin.ft.	8 in.	1.50	2.00	1.50	1.25	1.25
100 lin.ft.	8 in.	1.50	2.00	1.50	1.25	1.25
100 lin.ft.	10 in.	3.00	2.10	2.00	1.50	2.00
150 lin.ft.	15 in.	3.75	2.50	3.00	3.25	2.50
Brick or Concrete Drop Manholes						
4	6– 8 ft.	65.00	65.00	68.00	70.00	55.00
1	8–10 ft.	.....	70.00	78.00	84.00	60.00
2	10–12 ft.	90.00	85.00	90.00	98.00	65.00
2	12–14 ft.	95.00	105.00	105.00	112.00	75.00
2	14–16 ft.	115.00	115.00	116.00	125.00	85.00
House Services Trenching, backfilling, and 6 in. pipe, in place						
2,000 ft. vitr. clay	0–4 ft.	.45	.40	.40	.50	.48
2,000 ft. conc.	0–4 ft.	.47	.42	.42	.51½	.50
6,000 ft. vitr. clay	4–6 ft.	.50	.42	.48	.62	.60
6,000 ft. conc.	4–6 ft.	.52	.45	.50	.63½	.61
8,000 ft. vitr. clay	6–8 ft.	.60	.45	.60	.74	.70
8,000 ft. conc.	6–8 ft.	.62	.48	.62	.75½	.71
4 in. pipe						
12,000 ft. vitr. clay	0–4 ft.	.28	.35	.37	.35	.41
12,000 ft. conc.	0–4 ft.	No	.38	No	.39	.45
400-6x8, Y's in place		.70	1.00	1.20	.60	1.55
10-6x10 Y's in place		1.00	1.30	1.60	.85	1.95
200-¼-6 in. bends		.60	.60	.56	.50	.60
100-½-6 in.		.60	.60	.57	.50	.60
20-6x8, T's in place		75	1.00	1.20	.60	1.25
Flush Tanks Complete	**Depth**					
1 tank	4– 6 ft.	95.00	85.00	.....	90.00	.....
2 tanks	6– 8 ft.	110.00	95.00	118.00	105.00	105.00
2 tanks	8–10 ft.	125.00	100.00	130.00	129.00	110.00
20 cu.yd. conc.		15.00	18.00	16.00	20.00	16.00
200 lin.ft. ¾ in. gal. steel pipes for flush tank connection, including connection to mains		.25	.20	.25	.20	.25
Totals (vitr. clay pipe)		$46,855	$47,699	$49,331	$51,507	$61,614
Totals (conc. pipe)		43.413	48,160	55,452	51,093	61,824

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Sewers—Syracuse, N. Y.

Board of Contract & Supply opened bids Oct. 8, sanitary sewers in Seneca Turnpike, Valley Drive, etc. (West Side of Onondaga Valley Annexation). Prices are higher than usual due to fact that contractor working on sewers in east side of valley encountered gravel and sand, which at the greatest depth of the trenches cause various difficulties and require very good sheeting. Lowest three and highest bidders are: (A) Bird & Street Bros. Construction Co., 815 Free St., (awarded contract); (B) Pepper Bros.; (C) John Raccuia; (D) Mondo Construction Co. N. F. Pitts, Jr., State Tower Bldg., engineer.

	A	B	C	D
3,150 lin.ft. 24 in. vitr. pipe	$9.34	$9.00	$12.00	$14.00
3,150 lin.ft. 24 in. conc. pipe	.....	9.00	12.00	.....
1,282 lin.ft. 21 in. vitr. pipe	8.00	9.00	13.00	13.50
1,392 lin.ft. 21 in. conc. pipe	.....	9.00	13.00	.....
1,460 lin.ft. 15 in. vitr. pipe	8.69	6.00	11.00	9.50
1,590 lin.ft. conc. pipe	.....	6.00	11.00	.....
4,123 lin.ft. 12 in. vitr. pipe	7.50	6.00	13.00	7.50
4,425 lin.ft. 12 in. conc. pipe	.....	6.00	13.00	.....
598 lin.ft. 10 in. vitr. pipe	2.50	3.00	10.00	4.00
650 lin.ft. 10 in. conc. pipe	.....	3.00	10.00	.....
29,970 lin.ft. 8 in. vitr. pipe	2.00	2.70	2.30	4.25
32,530 lin.ft. 8 in. conc. pipe	.....	2.70	2.30	.....
21,400 lin.ft. 6 in. vitr. pipe	1.00	1.10	1.25	1.75
21,400 lin.ft. 6 in. conc. pipe	.....	1.10	1.25	.....
60 lin.ft. 24 in. c. i. pipe	50.00	30.00	20.00	15.00
54 lin.ft. 21 in. vitr. pipe Y's	8.00	20.00	26.00	20.00
65 lin.ft. 15 in.	5.00	13.00	26.00	15.00
151 lin.ft. 12 in.	3.50	12.00	26.00	12.00
26 lin.ft. 10 in.	3.00	7.00	20.00	10.00
1,280 lin.ft. 8 in.	1.50	5.00	4.60	7.00
1,400 lin.ft. 6 in. slants for conc. pipe	.....	.....	1.00	.....
85 line manholes 3x4 ft.	90.00	95.00	110.00	200.00
27 line manholes 4x4 ft.	100.00	110.00	150.00	250.00
37 junction manholes 4x4 ft.	130.00	120.00	150.00	400.00
17 junction drop manholes 4x4 ft.	250.00	150.00	175.00	450.00
500 lin.ft. timber and plank platform, 22 in.	1.00	1.00	.50	2.50
500 lin.ft. timber and plank platform, 24 in.	1.00	1.00	.50	3.00
2 connections with existing manhole	50.00	20.00	25.00	50.00
1,000 lb. reinf. steel	.10	.08	.11	.10
100 cu.yd. conc. 1-3-6	12.00	25.00	10.00	18.00
100 cu.yd. extra excav.	2.00	5.00	3.00	2.00
7,000 sq.ft. sidewalk	.025	.20	.20	.30
500 sq.yd. pavement	4.00	4.00	3.00	5.00
135,000 sq.ft. lumber left in trench	50.00	50.00	50.00	50.00
1,000 cu.yd. rock excav.	5.00	5.00	5.00	5.00
Totals (vitr. pipe)	$209,915	$229,063	$278,949	$354,901
Totals (conc. pipe)	.....	$230,776	$280,089	.....

Engineering News-Record, Issue of November 22, 1928.

Paving—Portland, Ore.

City opened bids Sept. 17 paving Lloyd Boulevard, 1700 ft. long, 30 ft. wide. Bidders are: (A) Kern & Kibbie, Portland, (awarded contract); (B) Warren Construction Co.; (C) United Construction Co. O. Laurgaard, city engineer.

	A	B	C
2,500 cu.yd. earth excav.	$0.50	$0.50	$0.60
20 cu.yd. excav. old pavement	2.00	1.00	1.00
325 cu.yd. trench excav.	1.00	1.00	.75
800 cu.yd. embankment, common	.10	.20	.20
830 sq.ft. conc. sidewalk	.16	.17	.18
3,400 lin.ft. conc. curb	.50	.55	.50
420 lin.ft. header 4x12 in., wood	.20	.25	.25
7 inlets	18.00	20.00	17.50
7 inlets double size	36.00	40.00	26.00
1,700 lin.ft. asphaltic conc. gutter	.20	.25	.20
1,100 sq.yd. Warrenite pavement	.....	1.25	.....
1,100 sq.yd. asphaltic conc. top	1.00	.....	1.05
1,100 sq.yd. asphaltic conc. base	.80	.85	1.10
410 sq.yd. skin patch	1.00	.80	.75
Totals	$25 105	$28,844	$29,068

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